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# MICHELL'S BULBS

SEP 22 1923

U. S. Department of Agriculture

1923



## *Michell's Superb* DARWIN TULIPS

1—**Clara Butt.** Doz. 70c; \$4.00  
per 100; per 1000, \$33.00

2—**Mme. Krelage.** Doz. 85c;  
\$5.25 per 100; per 1000, \$45.00

3—**White Queen.** Doz. 85c;  
\$5.25 per 100; per 1000, \$44.00

4—**Mr. Farncombe Sanders.**

Doz. 90c; \$6.00 per 100; per

1000, \$50.00

5—**Philippe de Commines.**

Doz. 75c; \$4.75 per 100; per

1000, \$40.00

6—**La Tulip Noire.** Doz. 75c;

\$5.00 per 100; per 1000, \$42.50

If wanted by Parcel Post, add 10c

per doz., 25c per 100, postage

*See pages 12 and 13 for other*

*varieties of Darwin Tulips*

HENRY F. MICHELL CO. 518-516 MARKET ST. PHILA., PA.

# MICHELL'S NARCISSUS



## PAPER WHITE GRANDIFLORA

	Each	Doz.	100	1000
First Size Bulbs . . .	.06	.60	\$4.50	\$37.50
Mammoth Bulbs . . .	.08	.75	5.00	45.00
Giant Bulbs . . . . .	.10	1.00	7.00	67.50

## GRAND SOLEIL D'OR

15c each \$1.75 per doz. \$12.00 per 100

If wanted by Parcel Post, add 10c per doz.,  
30c per 100, for postage

Paper White  
Grandiflora

Grand Soleil  
d'Or

**NOTICE TO CUSTOMERS  
OUTSIDE OF THE  
UNITED STATES**

In remitting for purchases at the time of ordering, or when paying accounts, by reason of the Exchange we ask that you please send P. O. Money order in U. S. Funds or a check or draft on a New York or Philadelphia Bank in par U. S. Funds.

**BUSINESS TERMS**

We especially invite Charge Accounts, which is more convenient than to remit for each order at the time it is sent us. When sending your first charge order, please send us the names and addresses of two or more business houses with whom you have had past or present credit relations.

**REGARDS C. O. D.  
SHIPMENTS**

Goods can be sent C. O. D. (with the exception of perishable items, which include plants and cold-storage bulbs; these cannot be sent C. O. D.). No C. O. D. shipments for any kind of goods can be made by express or freight out of town unless a partial remittance accompanies the order. No C. O. D. orders where the amount is less than 50c., except in the following zone in Philadelphia: Market Street Ferry, to Sixteenth Street, Pine Street, to Vine Street. C. O. D. orders outside of this zone in our delivery limits must amount to \$1.00 or more. During April and May no orders C. O. D. in their entirety can be accepted.

**SHIPPING INSTRUCTIONS**—Always state by what method you want goods forwarded, otherwise we will ship according to our best judgment.

**PACKING CHARGES**—No charge is made for boxes, packing or bags, except for two-bushel seamless sacks, which are returnable for credit at the market price as charged.

**PARCEL POST SHIPMENT AT OUR EXPENSE AS FOLLOWS**—We pay postage charges on all orders for vegetable and flower seeds, provided the order calls for packets, ounces, quarter-pounds and pounds (beans, corn, peas and mixed grass seeds, bulbs, plants and sundries are not included). If these are wanted by mail, remit for postage according to rate of postage from Philadelphia to your post office.

Parcel Post weight limits are 70 lbs. in 1st, 2d and 3d zone; in all other zones 50 lbs.

**CONDITIONS OF SALES**

All contracts, sales and acknowledgments of orders are contingent upon crop failures, partial deliveries by growers or manufacturers, strikes, or other unavoidable causes beyond our control; also unsatisfactory credit standing. All quotations are subject to market changes and goods being unsold on receipt of order. Henry F. Michell Co. give no warranty, expressed or implied, as to the description, purity or productiveness of any seeds, plants or bulbs they send out and they cannot be in any way responsible for the crop. If the customer does not accept the goods on these terms, they can be returned at once and no sale has been made.

**HENRY F. MICHELL** { PRESIDENT  
SECRETARY

**WAREHOUSES** { 509-11-13 LUDLOW ST.  
AMERICAN AND DAUPHIN STS.



**HENRY F. MICHELL CO.**

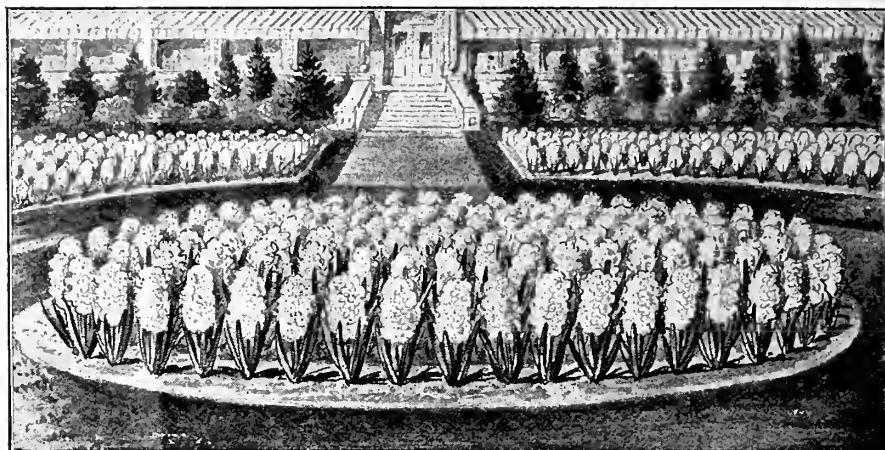
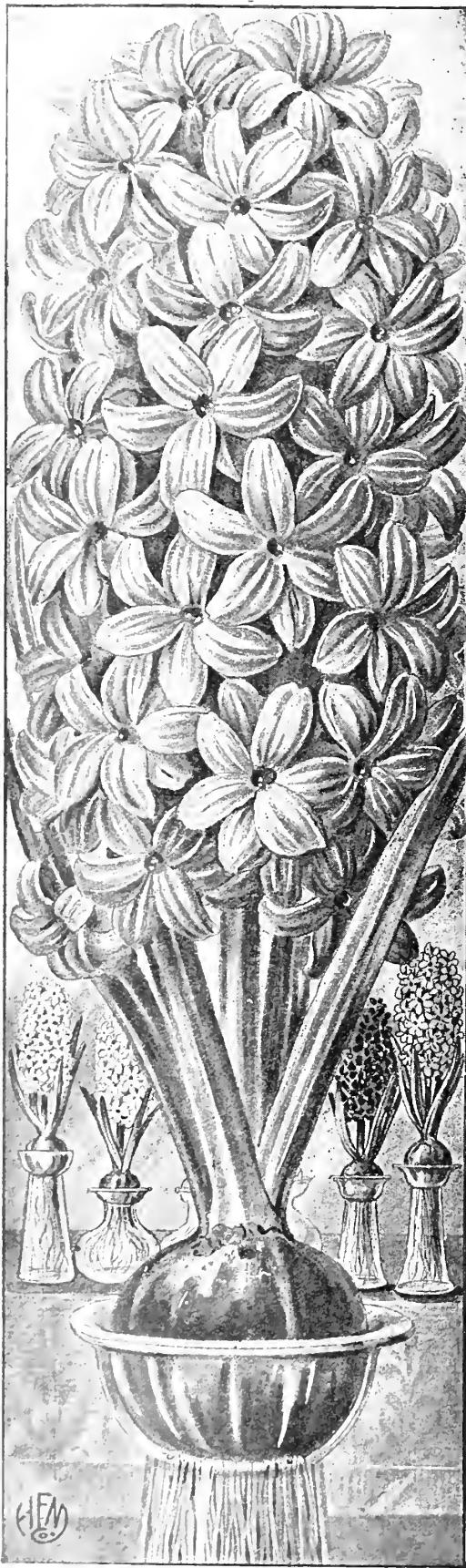
**SEEDS BULBS, PLANTS, GARDEN SUPPLIES, FERTILIZERS  
INSECT DESTROYERS, POULTRY SUPPLIES, ETC.**

**518-516 MARKET ST., PHILA.**  
NURSERIES AND PLANT HOUSES, ANDALUSIA, PA.

**FRED'K J. MICHELL** { VICE PRESIDENT  
TREASURER

**BELL AND KEYSTONE  
TELEPHONES**

## 2 MICHELL'S SUPERB NAMED HYACINTHS



**CULTURAL DIRECTIONS FOR HYACINTHS.**—For Outdoors plant in October and November in soil composed of 1-3 sand, 1-3 cow or sheep manure, and 1-3 good garden soil. After the ground has frozen, cover with litter, leaves or coarse manure.

For Pots use same soil as directed above and plant any time from September to November. After planting, water well and bury the pots outdoors to the depth of 6 inches for eight weeks. After this remove to a cool room.

For Glasses the single varieties are the best. Place the bulb in a glass, which should be filled with water, so it touches the bottom of the bulb, and place the glasses in a cool, dark place. Change the water occasionally. Keep in the dark about 8 weeks, and then remove to a light, cool place.

### SINGLE FIRST SIZE HYACINTHS

If wanted by Parcel Post, add 15c. per doz. for postage.

	Each	Doz.	100
City of Haarlem. Golden yellow	\$0.20	\$1.60	\$10.50
Gertrude. Deep rose	.20	1.60	10.50
Gigantea. Flesh pink	.20	1.60	10.50
Grand Maitre. Bright porcelain blue	.20	1.60	10.50
King of Blues. Deep blue	.20	1.60	10.50
King of Yellows. Orange yellow	.20	1.60	10.50
Lady Derby. Delicate pink	.20	1.60	10.50
La Grandesse. Snow white	.20	1.60	10.50
La Victoire. Bright scarlet	.20	1.60	10.50
L'Innocence. Pure white	.20	1.60	10.50
Marconi. Red shaded white	.20	1.60	10.50
Moreno. Deep rose	.20	1.60	10.50
Perle Brilliante. Light blue	.20	1.60	10.50
Queen of the Blues. Silvery blue	.20	1.60	10.50
Queen of Pinks. Brilliant pink	.20	1.60	10.50
Roi des Belges. Deep red	.20	1.60	10.50
Yellow Hammer. Pure yellow	.20	1.60	10.50

### SECOND SIZE SINGLE HYACINTHS

For bedding, the second size named Hyacinths are ideal, being all one height and uniform in appearance. They are also suitable for forcing in pots or pans.

If wanted by Parcel Post, add 10c. per doz., 75c. per 100 for postage.

	Each	Doz.	100
City of Haarlem. Golden yellow	\$0.15	\$1.50	\$9.00
Gertrude. Deep rose	.15	1.50	9.00
Gigantea. Flesh pink	.15	1.50	9.00
Grand Maitre. Bright porcelain blue	.15	1.50	9.00
King of Blues. Deep blue	.15	1.50	9.00
King of Yellows. Orange yellow	.15	1.50	9.00
Lady Derby. Delicate pink	.15	1.50	9.00
La Grandesse. Pure white	.15	1.50	9.00
La Victoire. Bright scarlet	.15	1.50	9.00
L'Innocence. Pure white	.15	1.50	9.00
Marconi. Red shaded white	.15	1.50	9.00
Moreno. Deep rose	.15	1.50	9.00
Nimrod. Deep rose	.15	1.50	9.00
Perle Brilliante. Light blue	.15	1.50	9.00
Queen of Pinks. Brilliant pink	.15	1.50	9.00
Queen of the Blues. Silvery blue	.15	1.50	9.00
Roi des Belges. Deep red	.15	1.50	9.00
Yellow Hammer. Pure yellow	.15	1.50	9.00

# MICHELL'S SUPERB HYACINTHS

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## NAMED EXHIBITION HYACINTHS

A selection of the largest possible bulbs to be obtained; we offer them in single varieties only.

If wanted by Parcel Post, add 15c. per doz., for postage.

	Each	Doz.	100
Gertrude. Deep rose.....	\$0.25	\$2.50	\$15.00
Grand Maitre. Bright porcelain blue.....	.25	2.50	15.00
King of Blues. Deep blue.....	.25	2.50	15.00
Lady Derby. Delicate pink.....	.25	2.50	15.00
La Grandesse. Snow white.....	.25	2.50	15.00
La Victoire. Bright scarlet.....	.25	2.50	15.00
Marconi. Red, shaded white.....	.25	2.50	15.00
Perle Brillante. Light blue.....	.25	2.50	15.00
Queen of Pinks. Brilliant pink.....	.25	2.50	15.00
Roi des Belges. Deep red.....	.25	2.50	15.00
Yellow Hammer. Pure yellow.....	.25	2.50	15.00

## DOUBLE FIRST SIZE HYACINTHS

Blocksberg. Light blue. Lord Wellington. Rich pink.  
 Bouquet Tendre. Dark carmine. Prince of Waterloo. Pure  
 Delicata. Pale blue. white.  
 Garrick. Blue, dark center. Sunflower. Pure yellow.  
 Price, 20c each; doz., \$1.60 (by mail, \$1.75); \$10.50 per 100.

## CHOICE BEDDING HYACINTHS (Unnamed)

For outdoor planting; can also be used for forcing.

### SINGLE AND DOUBLE FLOWERING

Deep Pink.	Pure White.	Yellow.	All shades.
Dark Red.	Light Blue.	Mixed.	All colors.
Deep Blue.			

Price, 10c each; 85c per doz. (by mail, 95c); \$5.50 per 100  
 (by mail, \$6.00); \$47.50 per 1000.

## FRENCH ROMAN HYACINTHS

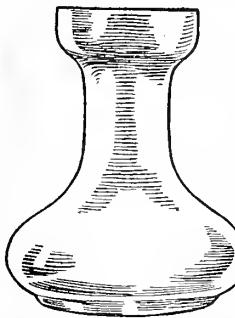
These afford a continuous supply of bloom from early winter until late in spring if planted in succession (two weeks apart). They are very fragrant; easily grown in pots or pans; not recommended for outdoor planting.

If wanted by Parcel Post, add 10c. per doz., 50c. per 100 for postage.

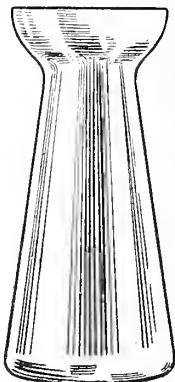
	Each	Doz.	100	1,000
White. Extra select, 12-15 cm.....	\$0.15	\$1.50	\$11.00	\$100.00
White Mammoth. 18-15 cm.....	.18	1.75	13.00	120.00
White Monster. 15 cm. and over...			Crop failed	
Light Blue.....	.12	1.25	9.00	85.00
Light Pink.....	.12	1.25	9.00	85.00
White Italian.....	.12	1.25	9.00	85.00

## HYACINTH GLASSES

(Not Mailable)



Tye or Low Pattern



Belgian Style

Hyacinths grow beautifully and look most decorative when grown in glasses with water. These Hyacinth glasses are specially made for this purpose.

**Belgian.** In assorted colors. 40c. each; per doz., \$4.00.

**Tye or Low Pattern.** Heavier than the above style. 40c. each; doz., \$4.00.



Minature, or Dutch Roman Hyacinths

## MINIATURE OR DUTCH ROMAN HYACINTHS

We import fine, large bulbs of named varieties only, as these will be found far superior to the unnamed sorts offered at lower prices. Excellent for growing in pans, boxes or pots. The trusses are almost as large as the regular hyacinths.

If wanted by Parcel Post, add 10c. per doz., 25c. per 100 for postage.

	Each	Doz.	100	1,000
Gertrude. Deep pink.....	\$0.08	\$0.75	\$4.50	\$40.00
Gigantea. Light pink.....	.08	.75	4.50	40.00
Grand Maitre. Bright blue.....	.08	.75	4.50	40.00
King of the Blues. Deep blue.....	.08	.75	4.50	40.00
Lady Derby. Delicate pink.....	.08	.75	4.50	40.00
La Grandesse. Pure white.....	.08	.75	4.50	40.00
L'Innocence. Pure white.....	.08	.75	4.50	40.00
Nimrod. Clear pink.....	.08	.75	4.50	40.00
Perle Brillante. Light blue.....	.08	.75	4.50	40.00
Roi des Belges. Fine deep crimson.....	.08	.75	4.50	40.00
Yellow Hammer. Pure yellow.....	.08	.75	4.50	40.00

## CHRISTMAS FLOWERING DUTCH ROMAN HYACINTHS

These specially prepared Hyacinths are peculiarly adapted for pot culture and early flowering. Can be made to bloom just at holiday season. We recommend every lover of flowers to try a few, as Hyacinths for Christmas are a most cheerful novelty.

If wanted by Parcel Post, add 10c. per doz., 50c. per 100 for postage.

	Each	Doz.	100	1,000
Bismarck. Light sky blue.....	\$0.10	\$1.00	\$7.00	\$60.00
Garibaldi. Brilliant carmine.....	.10	1.00	7.00	60.00
L'Innocence. Pure white.....	.10	1.00	7.00	60.00
Lady Derby. Light pink.....	.10	1.00	7.00	60.00
Nimrod. Deep rose.....	.10	1.00	7.00	60.00
Yellow Hammer. Pure yellow.....	.10	1.00	7.00	60.00

6 Bulbs of any one variety at dozen rate; 25 at 100 rate; 250 at 1000 rate

(ow)

# MICHELL'S SUPERB LILY BULBS



## MICHELL'S EASTER LILY BULBS For Indoor Culture

**Cultural Note.**—In order to obtain best results, attention to the following directions will assist materially: Upon receiving the bulbs, pot them immediately. Place a handful of well rotted cow manure in the bottom of the pot and place the bulb directly on top, covering it with soil. After watering, place in an outside pit and protect from the direct rays of the sun; cover well with soil, ashes or any other suitable litter. When the bulbs have become thoroughly rooted, bring inside, in a temperature of about 60 degrees; let the plants grow slowly under a bench or some other suitable place until about 6 inches high, then place on top of the bench. About two months before Easter they can be brought into a warmer temperature and gradually forced into flower and height at one time. An occasional application of liquid cow manure, starting about six weeks before flowering time will stimulate the plant wonderfully. Thorough rooting is the most essential point.

If Lily Bulbs are wanted by Parcel Post, add 20c. per doz. for postage.



### LILIU HARISSII (The Bermuda Easter Lily)

	Each	Doz.	100
6 to 7 inches circum.	\$0.30	\$3.25	\$22.50
7 to 9 inches circum.	.50	5.00	35.00
9 to 11 inches circum.	.85	9.00	65.00
11 to 13 inches circum.	1.50	15.00	

### LILIU FORMOSUM (The Formosa Easter Lily) Dark Stemmed Type

	Each	Doz.	100
7 to 9 inches circum.	\$0.50	\$5.00	\$37.50
8 to 10 inches circum.	.65	6.50	50.00
9 to 10 inches circum.	.75	7.50	57.50
10 to 12 inches circum.	1.00	11.00	85.00

### LILIU LONGIFLORUM GIGANTEUM (True)

	Each	Doz.	100
7 to 9 inches circum.	\$0.50	\$5.00	\$37.50
8 to 10 inches circum.	.65	6.50	47.50
9 to 10 inches circum.	.75	8.00	50.00
10 to 12 inches circum.	1.00	10.00	75.00

### LILIU LONGIFLORUM "AZORES"

A splendid strain, grown at the "Azores," producing strong, uniform flowers. Free from disease; an early bloomer.

	Each	Doz.	100
7 to 9 inches circum.		\$0.50	\$5.50

..... \$40.00

### LILIU CANDIDUM (Madonna Lily)

This variety is sometimes called St. Joseph's, Madonna, or Annunciation Lily. One of the most popular and satisfactory of the American garden lilies. Pure waxy white flowers produced on straight stems bearing anywhere from 10 to 30 blooms of good size and substance; delightfully fragrant. Effective planting is the result of massing them in clumps or borders. Our bulbs are grown in Northern France, where they have a reputation of growing the finest in the world. To insure absolute success, plant the bulbs as early as possible—September preferred—6 inches deep, imbedded in sand and placed on their side; height, 4 feet; blooms in June.

	Each	Doz.	100
Large Bulbs	\$0.25	\$2.50	\$15.00
Mammoth Bulbs	.35	3.50	25.00
Monster Bulbs	.40	4.00	30.00



**Cultural Directions.**—All Hardy Lilies should be planted from 6 to 8 inches deep, the Japan varieties even 12 inches deep; the bulbs should be completely enveloped in sand; no manure should come in contact with the bulbs, but may be placed 4 to 6 inches underneath. All loose petaled bulbs should be planted on their side instead of upright. Hardy Lilies are sometimes grown in pots for indoor blooming, in which case they are handled much like the Bermuda Easter Lilies.

If Lily Bulbs are wanted by Parcel Post, add 20c. per doz. for postage.

## JAPANESE LILIES

**Auratum** (*Golden Banded Lily*). Enormous, measuring frequently 8 to 12 inches across; pure white, spotted crimson, each petal marked in the center with a band of yellow. Flowers in August; delightfully fragrant.

Each Doz. 100

Large Bulbs, 8 to 9 inch circum. .... \$0.35 \$3.75 \$25.00  
Mammoth Bulbs, 9 to 11 inch circum. .... .50 5.25 37.50  
Monster Bulbs, 11 to 13 inch circum. .... .60 6.50 45.00

**Speciosum Album.** The best late flowering pure white hardy garden lily; of easy culture. The graceful stems and foliage are set off to wonderful advantage by the pure white blooms.

Each Doz. 100

Large Bulbs, 8 to 9 inch circum. .... \$0.35 \$3.75 \$25.00  
Mammoth Bulbs, 9 to 11 inch circum. .... .50 5.25 37.50  
Monster Bulbs, 10 to 12 inch circum. .... .60 6.50 45.00

**Speciosum Magnificum.** An enormous flower; rich deep pink, spotted crimson; height, 3 feet; flowers in August.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circum. ....	\$0.35	\$3.75	\$25.00
Mammoth Bulbs, 9 to 11 inch circum. ....	.50	5.25	37.50
Monster Bulbs, 11 to 13 inch circum. ....	.60	6.50	45.00

**Speciosum Rubrum or Roseum.** Delicate pink, almost white, spotted red; one of the old garden favorites; height, 3 feet; flowers in August and September.

	Each	Doz.	100
Large Bulbs, 8 to 9 inch circum. ....	\$0.35	\$3.75	\$25.00
Mammoth Bulbs, 9 to 11 inch circum. ....	.50	5.25	37.50
Monster Bulbs, 11 to 13 inch circum. ....	.60	6.50	45.00

**Tigrinum Splendens** (*Tiger Lily*). Orange, spotted black; double. .... .30 3.00 22.50  
**Tigrinum Splendens**. Single. .... .25 2.50 18.00

## MISCELLANEOUS JAPANESE LILIES

	Each	Doz.	100
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**Batemanni.** Apricot colored; 3 feet; July. \$0.45 \$4.00  
**Brownii.** White inside, outside brown. .... .75 7.50

**Hansoni.** Often grows from 3 to 5 feet high; reddish orange, 8 to 12 in a cluster. .... .75 7.50

**Henryi** (*Yellow Speciosum Lily*). Tall grower, often 7 feet; produces flowers of a distinct orange yellow in great profusion. .... .75 7.50

**Kramerii.** Blush pink; 3 feet; August. .... .50 4.50  
**Macranthum.** Giant Golden Banded Lily. .... .75 7.00

**Wittei.** Very fragrant; white, yellow band. .... 1.00 11.00

## AMERICAN OR NATIVE LILIES

	Each	Doz.	100
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**Canadense** (*Canadian Bellflower Lily*). Bright yellow flowers, spotted black inside; June and July; 2 feet. .... \$0.20 \$2.00 \$15.00

**Canadense Rubrum.** Same type as above; crimson with black spots. .... .35 3.50 25.00

**Davuricum.** Upright scarlet flowers. .... .25 2.50 15.00

**Elegans Bicolor.** Bright red flushed. .... .50 5.00 35.00

**Elegans, Leonard Joerg.** Rich apricot pink. .... .35 3.50 20.00

**Superbum** (*Turk's Cap Lily*). Grows from 3 to 6 feet high and produces from 15 to 25 orange red flowers on a stalk. .... .25 2.50 15.00

**Tenuifolium** (*Coral Lily*). Brilliant scarlet. .... .25 2.50 15.00

**Wallacei.** Bright apricot. .... .35 3.50 22.50

## LILUM REGALE (*Myriophyllum*)

Introduced from China; one of the most beautiful and satisfactory of all garden lilies. The stalk is slender, with narrow, grass-like leaves; it is absolutely hardy; also splendid for forcing; flowers are white suffused with pink, shaded canary yellow. (See illustration on page 4.) 85c each; doz., \$9.00; \$65.00 per 100.

# MICHELL'S SUPERB NARCISSUS or DAFFODILS

No garden is complete without the Narcissus or Daffodil, and they really deserve the foremost place among bulbous flowers. They are perfectly hardy and increase from year to year. As a house bulb in winter, they are indispensable and of the easiest culture.

**Culture.** Owing to the various sizes of the bulbs of different varieties, we cannot advisably give the exact depth to plant, but a good rule to follow is to cover the bulb one and one-half times its own depth. For house culture 3 or 4 bulbs can be put in a 5 inch or 6 inch pan or pot and given the same treatment as Hyacinths.



## GIANT TRUMPET VARIETIES

The number prefixed before the variety denotes the height.

If wanted by Parcel Post, add 10c. per doz., 50c. per 100 for postage.

18 **Bicolor Victoria.** Trumpet golden yellow; perianth creamy white; early. Each Doz. 100 1000  
Large Bulbs.....\$0.09 \$0.85 \$6.00 \$52.50  
Monster Bulbs.....15 1.50 8.25 75.00

16 **Cervantes.** A fine variety; very early; excellent for forcing; pale yellow trumpet.....15 1.50 8.25 75.00

18 **Emperor.** One of the best Narcissus in cultivation, for either outdoor or indoor culture. Entire flower is pure golden yellow. Each Doz. 100 1000  
Large Bulbs.....\$0.09 \$0.85 \$6.00 \$52.50  
Monster Bulbs.....15 1.50 8.25 75.00

18 **Empress.** This variety tallies exactly with the foregoing sort, except that the perianth is pure white and the trumpet golden yellow, making the flower extremely attractive. Each Doz. 100 1000  
Large Bulbs.....\$0.09 \$0.85 \$6.00 \$52.50  
Monster Bulbs.....15 1.50 8.25 75.00

15 **Giant Princeps.** Extensively used for naturalizing; one of the best forcing sorts, being very early; perianth sulphur yellow, trumpet rich yellow. (Large double-nosed bulbs.) 7c. each; doz., 70c.; \$4.25 per 100; per 1000, \$36.00.

14 **Glory of Leiden.** Immense flowers; long fluted trumpet, golden yellow; perianth petals very broad. Each, 12c.; \$1.10 per doz.; per 100, \$7.50; \$65.00 per 1000.

18 **Golden Spur.** A large striking variety of wonderful robust growth; unusually good for garden culture or forcing; very early and blooms freely; pure golden yellow. Each Doz. 100 1000  
Large Bulbs (Dutch).....\$0.09 \$0.85 \$6.00 \$52.50  
Monster Bulbs (Dutch).....15 1.50 8.25 75.00  
Golden Spur (Extra Early Forcing Strain). Large Size Bulbs... .10 1.00 7.00 65.00

18 **King Alfred.** The gigantic flowers are of intense golden yellow color; the trumpet is large and open with a deep frilled edge. 25c. each; doz., \$2.25; per 100, \$15.00; \$140.00 per 1000.

16 **Madame de Graaff.** The best pure white trumpet daffodil. When it first comes into flower it shows creamy white, changing to pure white as the flower matures. Each, 10c.; \$1.00 per doz.; per 100, \$6.50; \$55.00 per 1000.

20 **Olympia.** A robust grower; flowers large; both trumpet and perianth yellow. 25c. each; doz., \$2.25; \$16.00 per 100; per 1000, \$150.00.

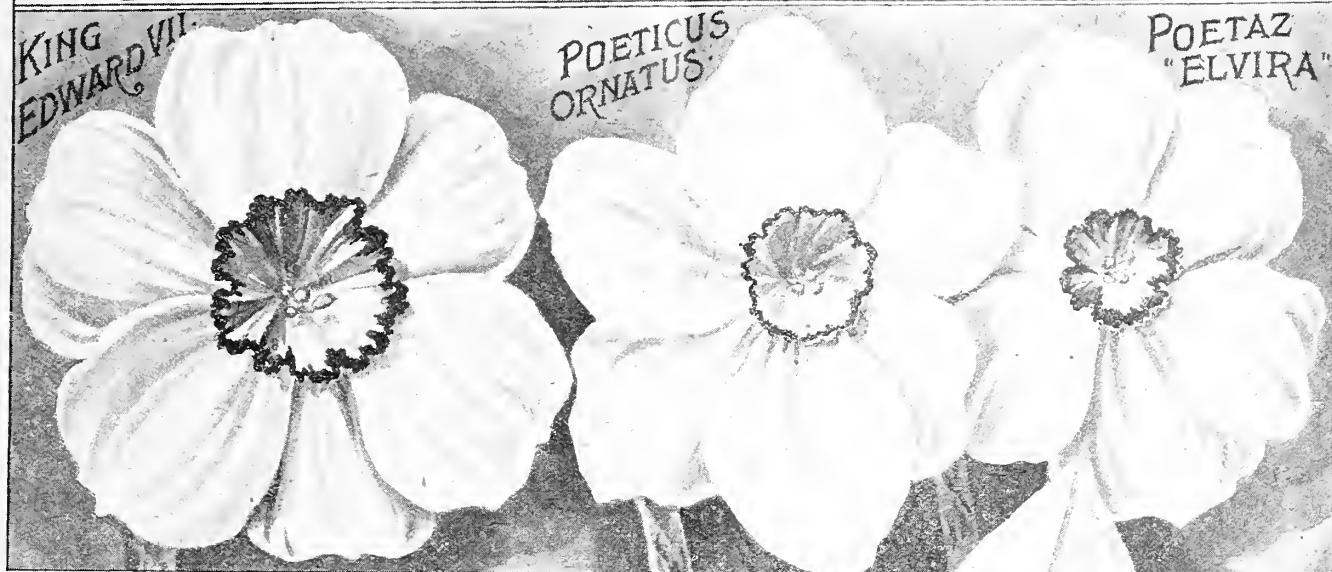
15 **Sir Watkin (Giant Chalice Flower).** The flower is probably the largest in its class; for moderate forcing as well as bedding on a large scale; perianth lemon yellow, cup or crown deep yellow; very early. 10c. each; doz., \$1.00; \$6.50 per 100; per 1000, \$55.00.

16 **Spring Glory (New).** An extra fine variety; pure white perianth, with a golden yellow trumpet; very early and free flowering. 25c. each (postpaid); doz., \$2.75 (by mail \$3.00); 25 for \$5.50 (by mail \$5.75); per 100, \$20.00 (by express).

15 **Trumpet Major.** One of the best varieties; trumpet and perianth deep golden yellow; very early. Dutch-grown bulbs for outdoors and forcing. 8c. each; doz., 80c.; \$5.50 per 100; per 1000, \$45.00.

16 **Van Waveren's Giant.** Claimed to be the largest of all Narcissus; perianth soft primrose yellow, with large, bright yellow trumpet; either for growing in pots or in the garden. Each, 35c.; \$3.50 per doz.; per 100, \$25.00.

# MICHELL'S CHOICE GARDEN NARCISSUS.



## MEDIUM TRUMPET NARCISSUS

These are also a popular type of the Narcissus or Daffodil family. Splendid for garden culture, also for growing indoors in pots or pans. The number prefixed before the variety denotes the height.

If wanted by Parcel Post, add 10c. per doz., 30c. per 100 for postage.

20 **Barrii Conspicuus.** Broad, spreading perianth of pale yellow, darker yellow cup, edged scarlet; excellent for cutting. 8c. each; doz., 80c.; \$5.25 per 100; per 1000, \$45.00.  
 18 **Incomparabilis, Lucifer.** A very showy variety; perianth white, trumpet orange scarlet. Each, 8c.; 75c. per doz.; per 100, \$5.00; \$42.50 per 1000.  
 12 **Leedsii, Mrs. Langtry.** A very free flowering sort with pure white perianth and delicate primrose cup; good for pots; largely used for naturalizing. 7c. each; doz., 65c.; \$4.00 per 100; per 1000, \$33.75.

## THE OLD-FASHIONED POET'S NARCISSUS

This class is noted for its hardiness and freedom of bloom. It is one of the most popular types, used extensively for wild gardening and naturalizing. Quite fragrant and splendid for cut flowers.

If wanted by Parcel Post, add 10c. per doz., 25c. per 100 for postage.

15 **King Edward VII.** An improved type, having magnificent large flowers with broad round petals of a glistening white; the yellow cup is edged deep red; very early flowering. 10c. each; doz., \$1.00; \$6.75 per 100; per 1000, \$60.00.  
 24 **Poetaz Elvira.** This remarkable novelty is the result of a cross between the Pheasant Eye and the Polyanthus Narcissus, combining hardiness with the cluster flowering effect. The blooms, which are pure white of remarkable substance with delicate yellow cup never come less than 3 to 4 to a long stem and from 2 to 3 stems are produced from a single bulb. The fragrance is distinct, resembling that of a Gardenia. It forces well and early. Each, 8c.; 85c. per doz.; per 100, \$6.25; \$55.00 per 1000.

12 **Poeticus Ornatus.** A much improved form of the ordinary Poeticus, producing larger flowers and blooming two weeks earlier; especially adapted for forcing; mid-season.

Each Doz. 100 1,000

First Size Bulbs.....	\$.05	\$.50	\$3.00	\$25.00
Mammoth Bulbs.....	.06	.65	4.25	37.50

## HARDY NARCISSUS IN MIXTURE

For massing in borders, fields, woods and, in fact, anywhere, producing a wide range of color and variety of bloom. We offer large size bulbs only, which can be depended upon for results the first season.

**Single Varieties.** Each, 6c.; 60c. per doz.; per 100, \$3.50; \$30.00 per 1000.

**Double Varieties.** Each, 7c.; 70c. per doz.; per 100, \$4.25; \$35.00 per 1000.



If wanted by Parcel Post, add 10c. per doz., 30c. per 100 for postage.

**MICHELL'S NARCISSUS FOR GROWING IN WATER.**

**POLYANTHUS NARCISSUS**

This class of Narcissus is a most interesting one. They may be grown in water and pebbles like Chinese lilies, and are equally suited for growing in soil. The flowers are produced in clusters and are delightfully fragrant. Not suitable for outdoors.

If wanted by Parcel Post, add 10c. per doz., 30c. per 100 for postage.

**Double Roman.** White perianth, with an orange and yellow suffused cup; very free flowering and early. 7c. each; per doz., 75c.; \$5.25 per 100; per 1000, \$45.00.

**Gloriosa.** White perianth and orange yellow cup; very pretty. 12c. each; per doz., \$1.10; \$7.00 per 100; per 1000, \$62.50.

**Grand Monarque.** Large, broad white perianth with a primrose-yellow cup; a very striking flower. 7c. each; per doz., 75c.; \$5.25 per 100; per 1000, \$45.00.

**Grand Primo.** Large white perianth with yellow cup. 7c. each; per doz., 75c.; \$5.25 per 100; per 1000, \$45.00.

**Grand Soleil d'Or** (often called "Yellow Paperwhite"). Rich yellow, with deep red cup. For cutting this is a fine variety. 15c. each; per doz., \$1.75; \$12.00 per 100.

**Paper White Grandiflora.** This is quite a specialty with us; of it alone we import over two million bulbs. It is a pure white flowering sort; used extensively for forcing, as it can be brought into bloom in 8 weeks' time. Each Doz. 100 1000  
First Size Bulbs..... \$0.06 \$0.60 \$4.50 \$37.50  
Mammoth Bulbs..... .08 .75 5.00 45.00  
Giant Bulbs..... .10 1.00 7.00 67.50  
White Pearl. A large pure white; very exquisite. 12c. each; per doz., \$1.10; \$7.00 per 100; per 1000, \$62.50.

**Polyanthus Narcissus, Mixed.** All colors and varieties. 9c. each; per doz., 85c.; \$5.50 per 100; per 1000, \$46.00.

**MAMMOTH FLOWERING CHINESE LILIES**

Place from 3 to 6 bulbs in a bowl on top of pebbles to the depth of 2 inches; place a piece of charcoal with the pebbles to keep the water sweet. Place more pebbles around the bulbs and fill the bowl with water to the top of pebbles. After being planted they should be stored for three weeks in a cool, dark corner and then brought to a light but cool place. They may also be grown in pots with soil or sand, bulb fibre and moss.

If wanted by Parcel Post, add 15c. per doz. for postage.

	Each	Doz.	30 bulbs	Basket of
Large Bulbs.....	\$0.15	\$1.65	\$2.75	
Mammoth Bulbs.....	.20	2.25	5.00	
Giant Bulbs.....	.30	3.00	7.00	

**GOLDEN CHINESE LILY**

The centre cup is deep yellow while the perianth is lighter. Treat the same as the regular Chinese Lily. Very fragrant.

If wanted by Parcel Post, add 10c. per doz., 30c. per 100 for postage.

**Large Bulbs,** 15c. each; doz., \$1.75; \$12.00 per 100.

**Pebbles for Chinese Lilies.** Carefully screened and selected. 10c. per qt.; 75c. per peck; bushel, \$2.00; \$4.00 per barrel. (Pebbles cannot be mailed.)

Please Note. —If Chinese Lilies are to be grown in water, they will flower more satisfactorily if not started until November 1st.

# MICHELL'S SUPERB DOUBLE NARCISSUS



## DOUBLE NARCISSUS

Many varieties of Double Narcissus can be used for forcing, for which purpose they are highly desirable. Plant in a pan or pot anywhere from 3 to 12 bulbs, according to size of bulb and pan. We offer large bulbs only.

If wanted by Parcel Post, add 10c. per doz., 30c. per 100 for postage.

**Alba Plena Odorata.** A very sweet-scented pure white variety called Double Poet's Narcissus; it flowers later than many of the other daffodils and is not desirable for forcing; height about 15 inches. 6c. each; per doz., 65c.; \$4.25 per 100; per 1000, \$36.00.

**Double Jonquils (Sweet Scented).** Pure golden yellow; deliciously fragrant. Clumps of these planted outdoors make a beautiful effect. Height, 12 inches. 6c. each; doz., 65c.; \$4.50 per 100; per 1000, \$38.50.

**Incomparable Double.** On account of the peculiar suffusion of the colors in the flower, this variety is also known as "Butter and Eggs." The color is yellow and orange, and makes an attractive cut bloom. Its greatest value is for outdoor planting, as it does not force so well. Height about 16 inches. 8c. each; per doz., 80c.; \$5.25 per 100; per 1000, \$47.50.

**Orange Phoenix.** This is sometimes called "Eggs and Bacon." Light yellow, almost white, with an orange yellow center. It is splendid for forcing or pot culture. Height, 16 inches. 9c. each; per doz., 90c.; \$6.75 per 100; per 1000, \$60.00.

**Sulphur, or Silver Phoenix.** Flowers very large; bluish-white; sulphur colored centre; excellent for forcing or outdoor planting. Height about 18 inches. 10c. each; per doz., 90c.; \$6.00 per 100; per 1000, \$55.00.

**Von Sion (*Telamonius Plenus*).** The true double daffodil. The color is a pure golden yellow, entirely free from green-tipped flowers, which are often found in cheap grades. For forcing or outdoor planting it has no equal. It should be planted extensively for naturalizing.

Each Doz. 100 1000

First Size Bulbs..... \$0.07 \$0.75 \$4.75 \$40.00

Mammoth Size Bulbs..... .10 1.00 6.25 55.00

**Monster Bulbs.** Produces three or more flowers per bulb. 12c. each; per doz., \$1.15; \$7.00 per 100; per 1000, \$65.00.

## SWEET SCENTED JONQUILS

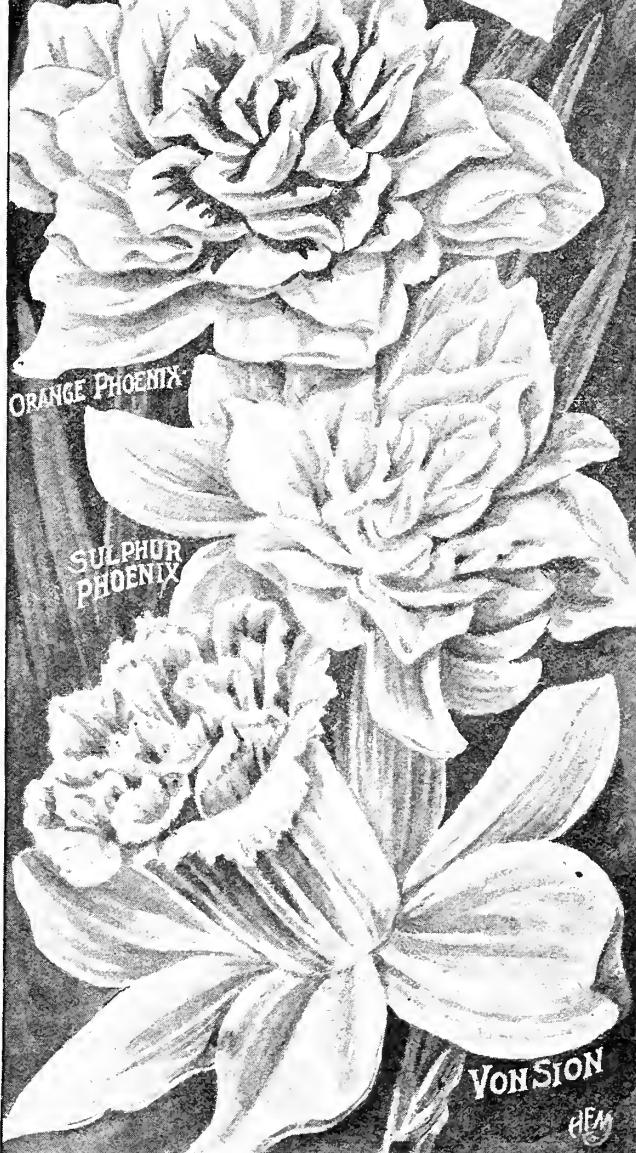
These delightful flowers are especially graceful when grown in pans or pots, but do equally well outdoors. The slender foliage stalks enhance a most fragrant flower, borne in clusters of 2 to 4.

If wanted by Parcel Post, add 10c. per doz., 25c. per 100 for postage.

**Campernelle Rugulosus.** Single yellow; larger than the plain Campernelle. 7c. each; per doz., 70c.; \$4.75 per 100; per 1000, \$40.00.

**Single.** Rich yellow; very fragrant; height 12 inches. 6c. each; per doz., 60c.; \$4.25 per 100; per 1000, \$33.50.

**Double.** Flowers very double; deep golden-yellow; height 12 inches. 6c. each; per doz., 65c.; \$4.50 per 100; per 1000, \$38.50.



MICHELL'S BULB GROWING GUIDE sent free on request



The Tulip is one of the most attractive and popular of spring blooming flowers for garden borders or for bedding. Most of the varieties being equally valuable for pot and pan culture indoors. The named varieties which we offer include some of the most beautiful and recently introduced sorts.

**CULTURAL DIRECTIONS.—For Bedding Out:** The bed should be formed of a compost similar to that recommended for Hyacinths. Plant the bulbs 4 inches apart and about 5 inches deep. They should be covered with litter before freezing weather.

**For Pot or Pan Culture.**—Plant about 4 bulbs in a 6-inch pot or 5 bulbs in a 6-inch pan, water thoroughly and then remove to the open ground or in a cold frame, covering with coal ashes; after they have rooted thoroughly they should be brought in a moderately cool room and gradually warmer; by bringing in a fresh supply every ten days, they can be had in bloom all winter.

We have affixed in front of the varieties figures denoting the approximate height; also letters to indicate the comparative blooming time. V means very early; E means early; M means midseason.

If wanted by Parcel Post, add 10c. per doz.; 25c. per 100 for postage.

Inches		PINK VARIETIES		
High		Doz.	100	1000
8M	Cottage Maid.	Pink and white....	\$0.75	\$4.75 \$40.00
12E	Flamingo.	Bright pink, shaded deeper	.90	5.75 50.00
12E	Pink Beauty.	Extra large; rich pink..	1.10	7.00 62.50
8E	Proserpine.	Glossy pink; forces early; excellent for bedding.....	1.10	7.50 67.50
8E	Prosperity.	Rose pink.....	.70	4.25 35.00
8M	Rose Griselin.	Delicate rose, flushed white; for forcing and bedding.....	.65	3.75 32.00
10M	Rose Luisante.	Deep pink; large flowers; for forcing and bedding....	1.00	7.25 65.00

#### RED AND SCARLET VARIETIES

8M	Artus.	Bright scarlet; for bedding...	.65	3.75 32.50
8M	Belle Alliance.	Brilliant scarlet; for either forcing or bedding.....	.85	5.50 50.00
12E	Brilliant Star.	Brilliant scarlet....	1.10	7.00 65.00
10M	Couleur de Cardinal.	Bright scarlet; for forcing or bedding.....	.90	6.50 60.00
10M	Cramoisi Brilliant.	Scarlet; good for bedding or forcing.....	.60	3.75 30.00
7V	Duc Van Thol.	Cochineal. Rich vermillion; for forcing or bedding.....	.70	4.25 36.00
7V	Duc Van Thol.	Scarlet.....	.65	4.00 33.00
10M	McKinley.	Rose, shaded carmine.....	.75	4.75 42.00
12M	Prince of Austria.	Orange scarlet; for either forcing or bedding.....	.75	5.00 42.50
10M	Vermilion Brilliant.	The richest scarlet; for forcing or bedding.....	.90	6.25 55.00

#### Inches VARIEGATED OR TWO COLOR VARIETIES

High		Doz.	100	1000
11E	Cardinal Rampollo.	Yellow, bordered orange.....	\$1.00	\$6.25 \$55.00
12M	Duchess de Parma.	Orange scarlet, yellow border; for bedding.....	.70	4.25 36.00
12M	Keizerkroon.	Brilliant red, gold border; for forcing or bedding.....	.75	5.00 45.00

#### VIOLET OR BLUE VARIETIES

	9M Wouverman.	Purple violet.....	.70	4.50 38.00
		WHITE VARIETIES		

9E	Joost Van Vondel, White (Lady Boreel).	A real exhibition variety...	.75	4.75 40.00
8E	L'Immaculee.	Pure white; fine forcer	.65	3.75 30.00
10M	La Reine.	White, at times showing a delicate shade of pink.....	.60	3.50 27.50
12M	White Hawk (Albion).	Pure white...	.85	5.50 47.50

#### YELLOW VARIETIES

	10M Chrysolora.	Golden yellow.....	.75	4.25 36.00
		Pale yellow.....	.65	4.00 31.00
10M	Mon Tresor.	Golden yellow.....	.70	4.25 35.00
8M	Yellow Prince.	Golden yellow.....	.70	4.50 38.00

#### SINGLE UNNAMED TULIPS (For Bedding Only)

These make a fine effect where a solid color is desired, and their cost is not so much as the named varieties.

	Doz.	100	1000
Pink, in all shades.....	\$0.50	\$3.00	\$25.00
Red and Scarlet, in all shades.....	.50	3.00	25.00
White, in all shades.....	.50	3.00	25.00
Yellow, in all shades.....	.50	3.00	25.00

#### SINGLE EARLY TULIPS IN MIXTURE

Our mixtures of Tulips have long been noted for their brilliancy, proper blending and variety of colors.

Doz.	100	1000	
Superfine Quality, all colors.....	\$0.50	\$3.00	\$24.00

# MICHELL'S DOUBLE

# EARLY TULIPS



Double Tulips are used very extensively for forcing, but are equally valuable for bedding purposes. They remain in flower longer than do the single sorts on account of their substance, although they do not make quite as fine a show. They should not be planted in beds with single tulips, as they do not bloom as early as the single sorts. The number prefixed before the variety denotes the approximate height.

If wanted by Parcel Post, add 10c. per doz.; 25c. per 100 for postage.					
10 <b>Boule de Neige.</b>	Large, pure white; resembles a Paeony in form; excellent for bedding or forcing.	Doz. 100	1000	\$0.70	\$4.25 \$38.00
10 <b>Couronne des Roses.</b>	Deep rose; extra fine for forcing.	.85	5.25	47.00	
12 <b>Couronne d'Or.</b>	A handsome rich yellow variety; grand forcer.	1.00	5.75	50.00	
9 <b>Gloria Solis.</b>	Red, bordered yellow; good for bedding.	.70	4.25	35.00	
10 <b>Imperator Rubrorum.</b>	Brilliant scarlet; especially adapted to forcing, also fine for bedding.	.85	5.75	50.00	
10 <b>La Candeur.</b>	Pure white; fine for bedding.	.65	4.00	35.00	
12 <b>Le Matador.</b>	Brilliant scarlet; splendid forcer or bedder.	.75	5.00	42.50	
14 <b>Lucretia.</b>	Deep pink; extra fine forcer.	.65	4.00	35.00	
10 <b>Mr. Van der Hoef (Yellow Murillo).</b>	Pure yellow.	1.10	7.00	60.00	
7 <b>Murillo.</b>	A very large pink sort, suffused with white; one of the best forcers.	.65	4.00	30.00	
8 <b>Rubra Maxima.</b>	Dazzling scarlet; good bedder and splendid early forcer.	.75	5.00	41.50	
10 <b>Salvator Rosa.</b>	Beautiful deep rose; for forcing or bedding.	.80	5.25	47.50	
12 <b>Schoonoord (White Murillo).</b>	Pure white.	.80	5.25	47.50	
12 <b>Tea Rose.</b>	Sulphur, shading to orange; for bedding or forcing.	.65	4.25	37.50	
8 <b>Toreador.</b>	A handsome rich orange; excellent for bedding or forcing.	1.00	6.50	57.50	
8 <b>Tournesol, Red and Yellow.</b>	For forcing and bedding.	.90	6.00	50.00	
8 <b>Tournesol Yellow.</b>	Fine for forcing.	.75	5.00	42.50	
12 <b>Vuurbaak.</b>	Orange scarlet; for forcing or bedding.	1.00	6.75	60.00	

## EARLY DOUBLE MIXED TULIPS

(For Bedding Only)

These mixtures are carefully blended with the choicest varieties taken from the named sorts. The bulbs are selected for size, and the mixture will produce a grand array of colors.

	Doz.	100	1000
<b>Superfine Quality.</b> All colors.	\$0.50	\$3.00	\$25.00

## DOUBLE UNNAMED TULIPS

(For Bedding Only)

These are very valuable for solid color bedding where no particular design is to be carried into effect and where expense is considered. At the low price offered anyone can afford them and thus avoid mixtures.

	Doz.	100	1000
<b>Pink</b> , in all shades.		\$0.50	\$3.00 \$25.00
<b>Red and Scarlet</b> , in all shades.		.50	3.00 25.00
<b>White</b> , in all shades.		.50	3.00 25.00
<b>Yellow</b> , in all shades.		.50	3.00 25.00

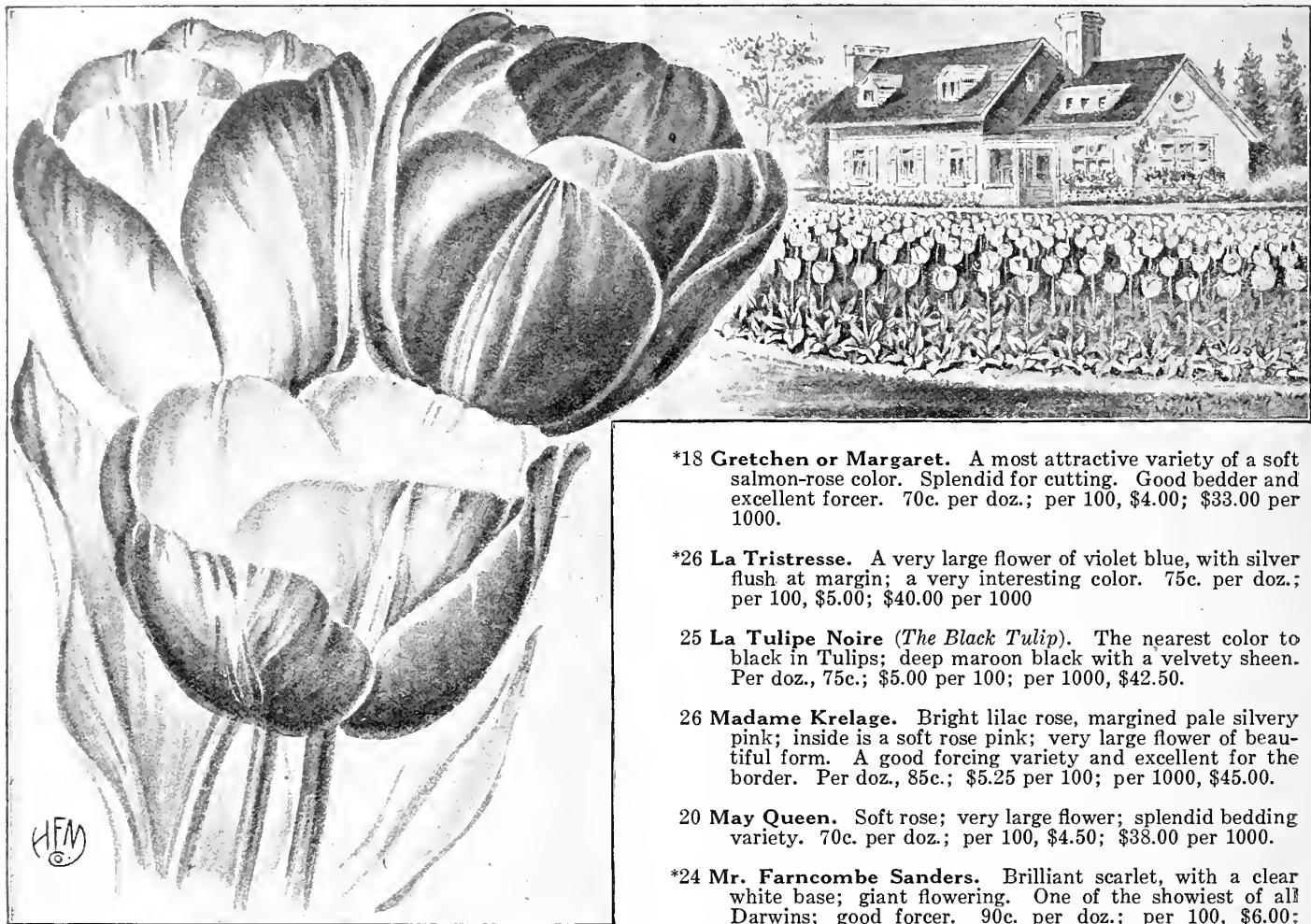
## NUMBER OF BULBS REQUIRED FOR PLANTING CIRCULAR BEDS AT DISTANCES NOTED BELOW

Oval beds require very much the same number, although we will be glad to give the exact information whenever desired, also for other sized or shaped beds.

### DISTANCES FOR PLANTING APART

Diam. of Bed	3 in. apart	4 in. apart	6 in. apart	8 in. apart	10 in. apart	12 in. apart
2 feet	61	37	19	....	....	....
3 "	127	95	37	....	....	....
4 "	217	127	61	37	24	19
5 "	331	225	91	69	37	25
6 "	469	271	127	78	52	37
7 "	631	410	169	96	71	48
8 "	817	469	217	127	85	61
9 "	1027	650	271	156	110	74
10 "	1261	721	331	190	127	91
11 "	1519	940	397	240	150	110
12 "	1801	1027	469	271	169	127
13 "	2107	1280	543	318	200	150
14 "	2437	1387	631	360	240	169
15 "	2791	1670	721	420	271	200
16 "	3169	1801	817	469	318	217
17 "	3571	2140	919	543	360	240
18 "	4037	2269	1027	590	390	271
19 "	4187	2640	1141	631	420	318
20 "	4961	2791	1261	721	469	331
21 "	5459	3210	1387	785	540	360
22 "	6981	3367	1519	817	590	397
23 "	7527	3870	1659	945	625	420
24 "	8097	4037	1801	1027	670	469
25 "	8691	4325	1951	1165	721	590

## MICHELL'S SUPERB DARWIN TULIPS



The color plate on the third cover of this catalog can give only a faint idea of the beauty of the Darwin Tulips. While they belong to the late blooming or May Flowering class, they are distinct in style of growth; the gigantic flower cups are borne on straight, stout stems which are far above a broad foliage. For massing, bedding or border planting the Darwins are hard to equal. For pot culture they are splendid and are just the ideal Tulip to grow for Easter; the varieties marked with an asterisk (\*) are best adapted for the latter purpose. The number prefixed before the variety denotes the approximate height. Please note there is no yellow colored Darwins and for this the May-flowering Tulip, Inglescombe Yellow may be used.

If wanted by Parcel Post, add 10c. per doz.; 25c. per 100 for postage.

- 28 **Ariadne.** Enormous bold, cup shaped flowers of fiery, scarlet red. 90c. per doz.; per 100, \$6.00; \$50.00 per 1000.
- \*14 **Bartigon.** Fiery red color, with pure white base; a very showy variety; grand forcer. \$1.00 per doz.; per 100, \$6.25; \$55.00 per 1000.
- \*20 **Clara Butt.** Delicate salmon pink. Its perfect shape and lovely color make it a real beauty. It is a good bedder and a splendid forcer. 70c. per doz.; per 100, \$4.00; \$33.00 per 1000.
- 23 **Glow.** Scarlet, margined white, blue center; the flowers are of large size and very showy. 85c. per doz.; per 100, \$5.25; \$45.00 per 1000.

\*18 **Gretchen or Margaret.** A most attractive variety of a soft salmon-rose color. Splendid for cutting. Good bedder and excellent forcer. 70c. per doz.; per 100, \$4.00; \$33.00 per 1000.

\*26 **La Tristesse.** A very large flower of violet blue, with silver flush at margin; a very interesting color. 75c. per doz.; per 100, \$5.00; \$40.00 per 1000

25 **La Tulipe Noire (The Black Tulip).** The nearest color to black in Tulips; deep maroon black with a velvety sheen. Per doz., 75c.; \$5.00 per 100; per 1000, \$42.50.

26 **Madame Krelage.** Bright lilac rose, margined pale silvery pink; inside is a soft rose pink; very large flower of beautiful form. A good forcing variety and excellent for the border. Per doz., 85c.; \$5.25 per 100; per 1000, \$45.00.

20 **May Queen.** Soft rose; very large flower; splendid bedding variety. 70c. per doz.; per 100, \$4.50; \$38.00 per 1000.

\*24 **Mr. Farncombe Sanders.** Brilliant scarlet, with a clear white base; giant flowering. One of the showiest of all Darwins; good forcer. 90c. per doz.; per 100, \$6.00; \$50.00 per 1000.

28 **Mrs. Potter Palmer.** Rich glowing purple, a very distinct and striking color. Excellent for border planting. 75c. per doz.; per 100, \$4.75; \$40.00 per 1000

\*28 **Nauticus.** A large handsome variety of rich, purplish rose. Excellent for outdoors and good for early or late forcing. 70c. per doz.; per 100, \$4.25; \$37.50 per 1000.

\*24 **Phillippe de Commines.** Rich, deep purple; one of the best dark sorts. 75c. per doz.; per 100, \$4.75; \$40.00 per 1000.

\*24 **Pride of Haarlem.** Brilliant rosy carmine. This is one of the most popular varieties of Darwins. The size of the flowers is immense having usually more than six petals, giving them the appearance of Double Tulips. A favorite for bedding and forcing. 70c. per doz.; per 100, \$4.25; \$35.00 per 1000.

\*22 **Princess Elizabeth.** Beautiful rose color, with light border; especially adapted for forcing. 90c. per doz.; per 100, \$6.25; \$55.00 per 1000.

\*26 **Psyche.** Large bold flowers; rosy pink outside; inside silvery rose, with pale blue base. 70c. per doz.; per 100, \$4.25; \$35.00 per 1000.

\*20 **Rev. H. Ebwank.** Light heliotrope, shaded lavender. Rather dwarf variety; a splendid bedder; also stands forcing splendidly and produces large flowers of a very pleasing color. 70c. per doz.; per 100, \$4.25; \$35.00 per 1000.

See next page for other varieties of Darwin Tulips.

# MICHELL'S SUPERB DARWIN TULIPS

(Continued)

13

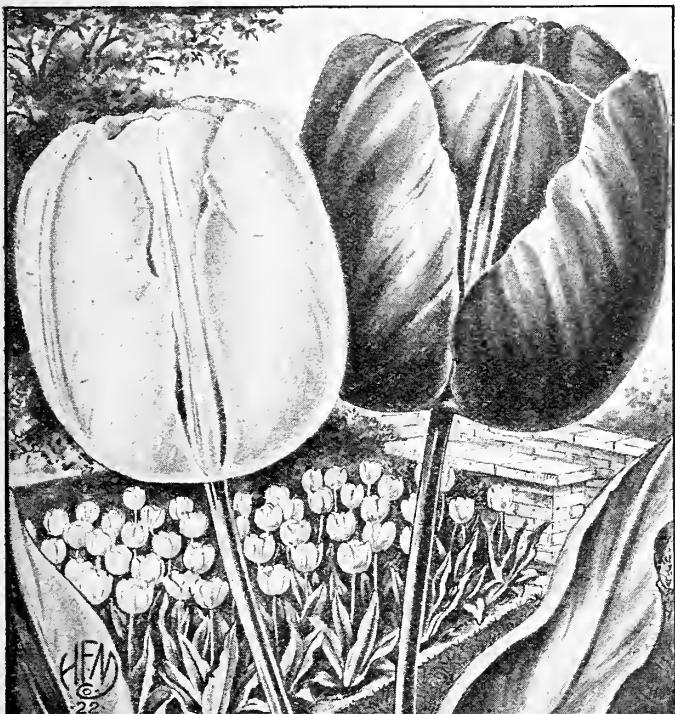
If wanted by Parcel Post, add 10c. per doz.; 25c. per 100 for postage.

20 **Sultan.** Very dark maroon, almost black. Undoubtedly the best of the dark varieties. The strong stems hold the flowers erect and make it an excellent bedder. 65c. per doz.; per 100, \$4.00; \$32.00 per 1000.

\*25 **Suzon.** Large bold flowers of soft, salmon rose color, margined with white. A strong grower. 75c. per doz.; per 100, \$4.50; \$38.50 per 1000.

24 **Wally Moes.** Large flowering; color, soft silvery heliotrope. 85c. per doz.; per 100, \$5.50; \$47.50 per 1000.

\*24 **W. Copeland.** One of the best early forcing varieties; color delicate lavender. 85c. per doz.; per 100, \$5.25; \$45.00 per 1000.



Breeder Tulips

## DUTCH BREEDER TULIPS

This old fashioned type has come into prominence very much of late years. They are similar to the Darwins in their tall, strong growth. The flowers are extra large and run principally in purple, bronze, terra-cotta and orange brown shades. They make a fine effect in hardy borders and when used as a cut flower last a long while in water. Breeder tulips cannot be forced.

If wanted by Parcel Post, add 10c. per doz.; 25c. per 100 for postage.

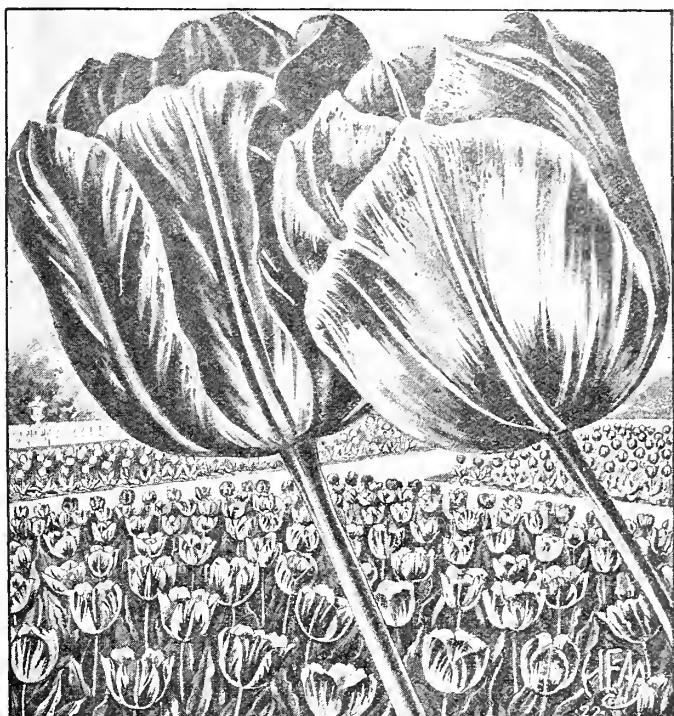
	Doz.	100	1000
25 <b>Apricot.</b> Apricot orange.....	\$1.00	\$6.00	\$55.00
24 <b>Aspasia.</b> Wine red, shaded purple.....	1.00	6.00	55.00
24 <b>Bronze Queen.</b> Soft buff, inside tinged golden bronze.....	.85	5.00	42.50
28 <b>Cardinal Manning.</b> Wine red, flushed rosy brown.....	.85	5.25	45.00
25 <b>General Ney.</b> Olive and bronze.....	1.00	6.00	55.00
24 <b>Godet Parfait.</b> Violet blue.....	1.25	8.25	75.00
24 <b>Jaune d'Oeuf.</b> Rosy lilac, yellow bordered.....	.85	5.25	45.00
24 <b>Prince of Orange.</b> Golden orange.....	1.00	6.00	55.00
24 <b>Yellow Perfection.</b> Light, bronze yellow.....	.85	5.25	45.00

22 **White Queen.** Can be called the only white Darwin. It opens rosy white, but passes off pure white. One of the most popular varieties. 85c. per doz.; per 100, \$5.25; \$44.00 per 1000.

\*24 **Wm. Pitt.** Dark crimson, shaded purple; good forcer; fine for cutting. \$1.10 per doz.; per 100, \$7.00; \$60.00 per 1000.

**Darwin Mixed.** A great variety of colors and shades. 55c. per doz.; per 100, \$3.50; \$30.00 per 1000.

The varieties marked with an asterisk (\*), are the most adapted for forcing. The number prefixed before the variety denotes the approximate height.



Rembrandt Tulips

## REMBRANDT TULIPS

This type comprises a strain of variegated Darwin tulips frequently referred to as broken Darwin or Rembrandt varieties. They resemble the former with the exception of variation as to colors; they possess splendid decorative value. The stems average 18 to 22 inches in height. Rembrandt tulips cannot be forced.

If wanted by Parcel Post, add 10c. per doz.; 25c. per 100 for postage.

	Doz.	100	1000
<b>Bougainville.</b> Amaranth blue, striped white.....		\$1.00	\$6.00
<b>Red Prince.</b> Rose, flamed scarlet.....	1.00	6.00	50.00
<b>Salome.</b> Carmine rose with white markings.....	1.00	6.25	55.00
<b>Semele.</b> White, feathered rosy pink.....	1.00	6.00	50.00

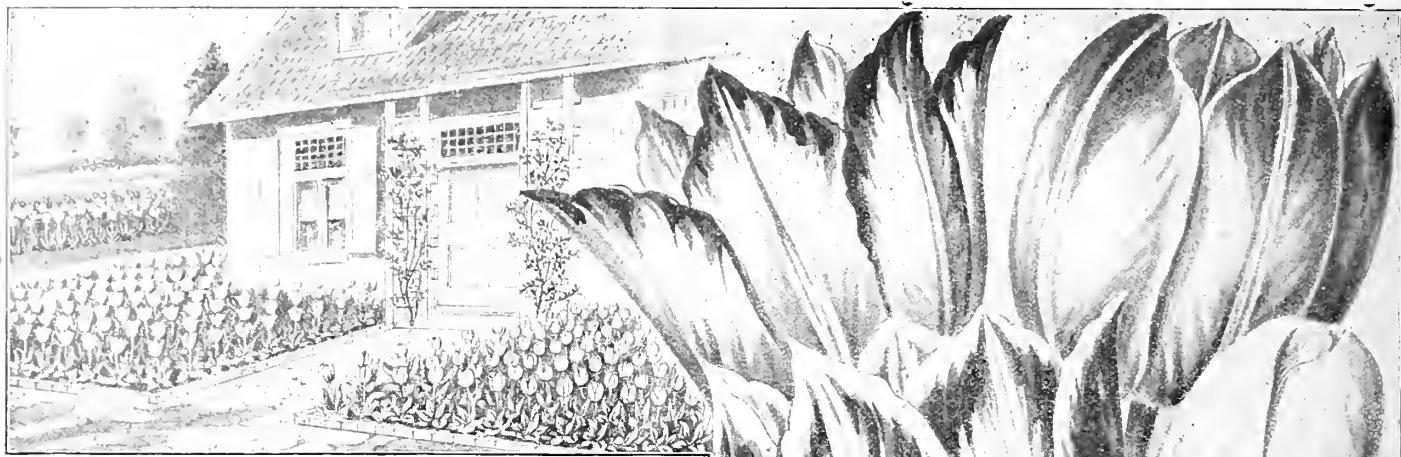
## TESTIMONIAL ON MICHELL'S BULBS

The bulbs received from you were excellent—could not have asked for anything better. As to your business methods, you are certainly O. K.

C. E. B.

# MICHELL'S LATE OR MAY-FLOWERING TULIPS

The number prefixed before the variety denotes the approximate height.



## COTTAGE GARDEN OR LATE TULIPS

Nothing in horticulture has received so much comment in late years as the late flowering tulips. They well deserve the popularity they have gained, for no other of the spring flowering bulbs can approach them for brilliancy, beauty and usefulness. For planting in beds, massing in perennial border or planting in clumps they are ideal. They are also very desirable as cut flowers.

(All Single except where noted.)

I wanted by Parcel Post, add 10c. per doz.; 25c. per 100 for postage.

	Doz.	100	1000
19 Blue Flag (Double). Rich violet blue	\$.75	\$5.00	\$40.00
24 Gesneriana Lutea. Rich yellow	.70	4.25	35.00
24 Gesneriana Rosea. Rich, rosy carmine	.70	4.25	35.00
24 Gesneriana Spathulata. Rich scarlet, blue-black center	.70	4.25	35.00
18 Golden Crown. Pure yellow, with narrow red margin	.70	4.50	37.50
16 Inglescombe Pink. Salmon pink	.75	4.50	38.00
16 Inglescombe Scarlet. Brilliant vermillion, with black center	.75	4.50	38.00
16 Inglescombe Yellow. Bright yellow	.70	4.25	36.00



Cottage Garden Tulips

## COTTAGE GARDEN TULIPS—Con.

	Doz.	100	1000
24 Moonlight. Exquisite canary yellow	\$.75	\$5.25	\$43.00
20 Picotee ( <i>Maiden's Blush</i> ). White, with distinct pink edged border	.70	4.25	36.00
15 Royal White. Pure white; very fine	1.00	6.25	55.00
12 Sara Bernhardt ( <i>Hobbema</i> or <i>Le Reve</i> ). Exquisite soft rose	1.25	8.25	75.00
May Flowering Tulips. Mixed (Single)	.50	3.00	25.00

## PARROT OR DRAGON TULIPS

These are curiously curled and crested. They are fine for bedding and border planting, also useful as a cut flower, keeping well for some time when placed in water.

If wanted by Parcel Post, add 10c. per doz.; 25c. per 100 for postage.

	Doz.	100	1000
Constantinople. Orange scarlet, with black markings in center	\$.65	\$4.25	\$35.00
Lutea Major. Very large; bright yellow	.65	4.25	35.00
Markgraaf of Baden. Large yellow, striped scarlet and green	.65	4.25	35.00
Mixed Colors. This mixture is carefully blended and contains only the choicest sorts	.60	3.50	30.00



Parrot or Dragon Tulips



Amaryllis, Hybrids of Vittata

**AMARYLLIS (Ready in October)**

One of the most gorgeous showy house plants, giving splendid satisfaction, not only because of their requiring little care, but of their everlasting nature and tendency to increase.

**Cultural Directions.**—Place bulbs in live moss, only moderately moist, near window of a warm room. When the first sign of growth appears through the top, pot them up in six inch pots; when the bulb is set, most of it should be above the soil. Water moderately at first, but increase as growth increases, then place in a warm, light room near the window.

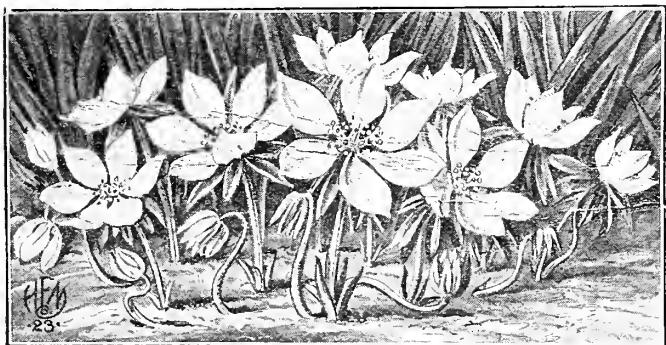
If wanted by Parcel Post, add 10c. per doz. for postage  
(except where noted).

**Belladonna.** A beautiful bright pink. 40c. each; doz., \$4.00.

**Formosissima.** Crimson. 25c. each; doz., \$2.50.

**Hippeastrum Equestre.** A garden species, producing large, bright red flowers. 60c. each; doz., \$5.00.

**Hybrids of Vittata.** The finest race of Amaryllis in cultivation, exceeding in the size and fine form of their flowers as well as in the diversity of colors and markings all former hybrids; flowers striped and flaked \$1.00 each. (by mail \$1.10); doz., \$11.00 (by mail \$11.50).



Aconite

**ACONITE WINTER (Eranthis Hyemalis)**

A very early spring flowering bulb, producing golden yellow flowers. Prefers a moist, shady location; perfectly hardy; height about 6 inches. 60c. per doz.; 100, \$3.50; \$32.50 per 1000.

If wanted by Parcel Post, add 10c. per 100 for postage.



Anemones

**ANEMONE (Windflower)**

An excellent decorative plant for house or garden and fine for cutting. If planted outdoors in the fall, they must be well protected with leaves or other litter. They are also well adapted for growing in conservatories or cold frames.

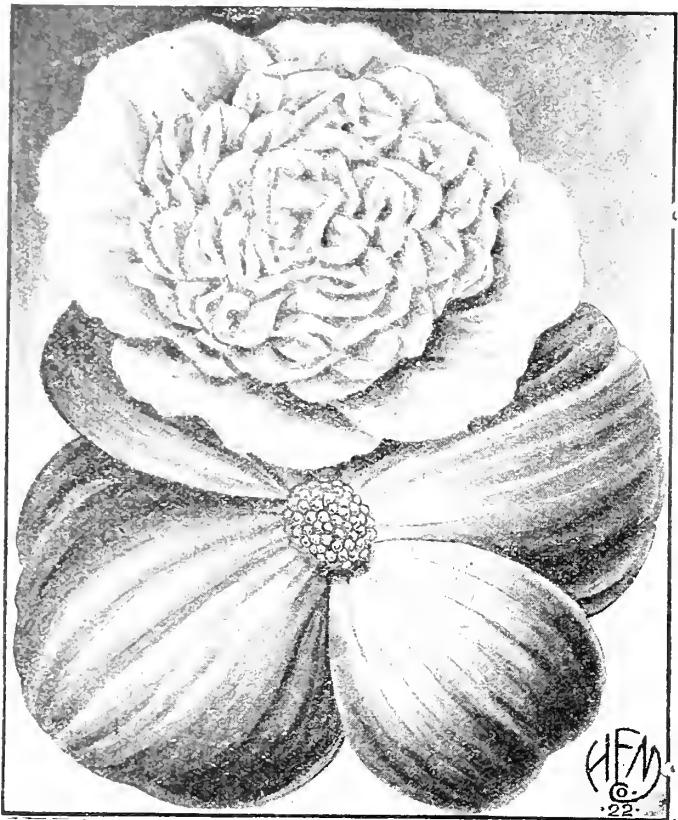
If wanted by Parcel Post, add 10c. per 100 for postage.

Doz. 100 1000

<b>Coronaria.</b> Single French varieties in mixed colors.....	\$0.80	\$5.50	\$47.50
<b>St. Brigid.</b> A giant flowering type, producing double, semi-double and single flowers, often 5 inches across; various colors mixed.....	.80	5.50	47.50

# MICHELL'S MISCELLANEOUS BULBS

For Winter and Spring Flowering



Tuberous Rooted Begonias, Single and Double

## BEGONIAS (Tuberous Rooted)

(Ready in January)

Enormous wax-like flowers appear uninterruptedly from June until frost. Plant bulbs outdoors about May 1st or start indoors any time prior to then.

If wanted by Parcel Post, add 10c. per doz., 25c. per 100 for postage.

### SINGLE BEGONIAS

Each	Doz.	100	Each	Doz.	100		
Crimson	\$.30	\$3.00	\$20.00	Scarlet	\$.30	\$3.00	\$20.00
Orange	.30	3.00	20.00	White	.30	3.00	20.00
Pink	.30	3.00	20.00	Yellow	.30	3.00	20.00
Salmon	.30	3.00	20.00	Mixed	.30	3.00	20.00

## BEGONIAS

(Tuberous Rooted) Continued

### DOUBLE BEGONIAS

Each	Doz.	100	Each	Doz.	100		
Crimson	\$.35	\$3.75	\$25.00	Scarlet	\$.30	\$3.75	\$25.00
Pink	.35	3.75	25.00	White	.35	3.75	25.00
Salmon	.35	3.75	25.00	Yellow	.35	3.75	25.00

### BEGONIA, CRISPA

The edge of each flower petal is exquisitely frilled.

Each	Doz.	100	Each	Doz.	100		
Orange	\$.30	\$3.00	\$20.00	White	\$.30	\$3.00	\$20.00
Pink	.30	3.00	20.00	Yellow	.30	3.00	20.00
Scarlet	.30	3.00	20.00	Mixed	.30	3.00	20.00

### BEGONIA, CRISTATA

Beautiful crested single flowers.

Each	Doz.	100	Each	Doz.	100		
Orange	\$.30	\$3.00	\$20.00	White	\$.30	\$3.00	\$20.00
Pink	.30	3.00	20.00	Yellow	.30	3.00	20.00
Scarlet	.30	3.00	20.00	Mixed	.30	3.00	20.00

### CALLA LILY BULBS

Callas require good, rich soil and plenty of warmth and water to make them thrive. Plant Callas indoors only.

If wanted by Parcel Post, add 15c. per doz., for postage.

### GODFREY DWARF EVERBLOOMING CALLA

This comparatively new calla has proven an excellent one; its character is exactly like the *Aethiopica* or regular variety, except it is of much dwarfer habit and freer bloomer; very desirable as a pot plant. Mammoth bulbs, 30c. each; doz., \$3.00; \$22.00 per 100.

### CALLA AETHIOPICA

	Each	Doz.	100
White, Monster Size, 2 to 2 1/2 in. diam.	\$.60	\$6.00	\$37.50
White, Mammoth Size, 1 3/4 to 2 in. diam.	.40	4.00	25.00
White, Medium Size, 1 1/2 to 1 3/4 in. diam.	.30	3.25	20.00
White, First Size, 1 1/4 to 1 1/2 in. diam.	.25	2.50	15.00

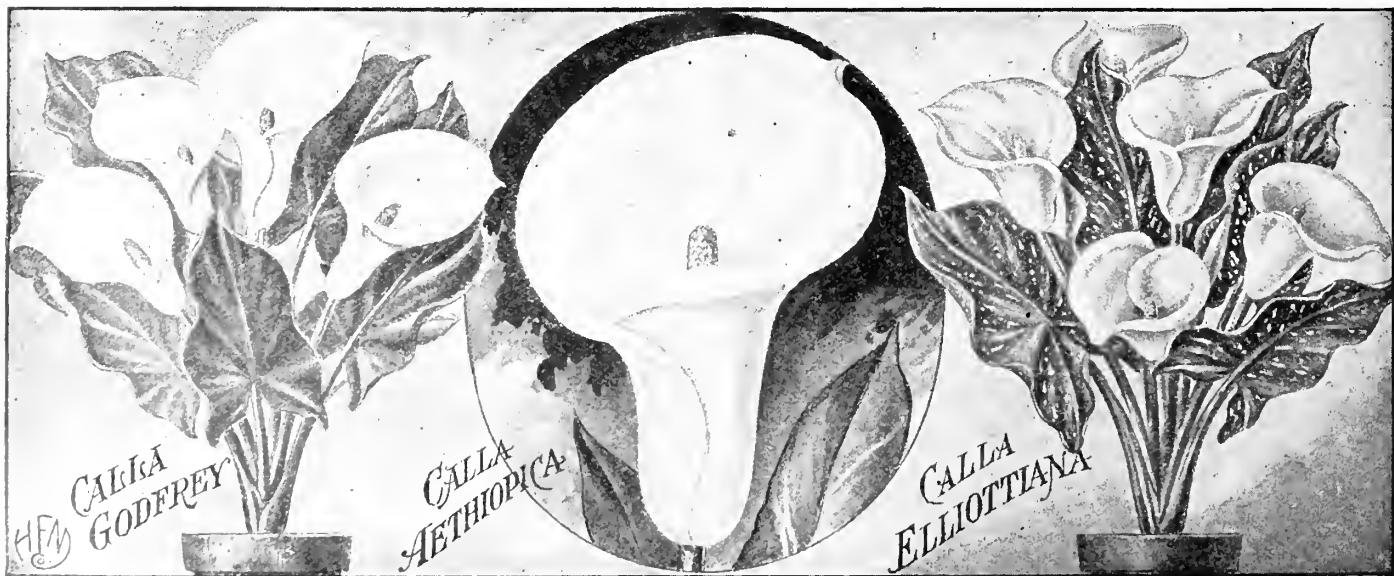
### YELLOW CALLA (Elliottiana)

The rich, golden yellow flowers are large and massive.

Large Bulbs, ready in October, 50c. each; doz., \$5.00; \$37.50 per 100.

### SPOTTED CALLAS (Ready in October)

Flowers white, foliage green spotted white. 30c. each; doz. \$2.75; \$20.00 per 100.





*Michell's Giant Named Crocus*

## CROCUS

One of the earliest flowers to bloom in spring most effective for borders or beds, also for planting in clumps amongst shrubbery. In lawns, planted in the grass the Crocus are extremely effective.

An effective method of planting is to scatter them over the lawn by digging up a small piece of sod here and there and placing one or two bulbs in each spot, this gives a very pretty effect.

The Giant Flowering varieties are also splendid for flowering in pots, but too severe forcing must not be attempted.

If wanted by Parcel Post, add 5c. per doz., 15c. per 100 for postage.

## GIANT NAMED CROCUS

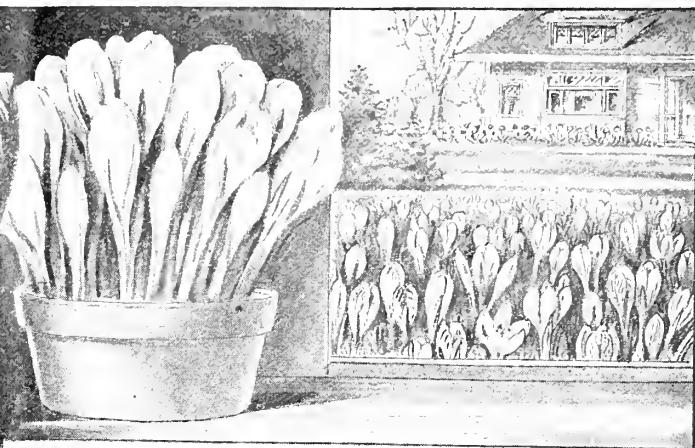
The bulbs of these varieties are very large and each bulb is capable of producing several flowers of large size.

	Doz.	100	1000
Baron Von Brunow.	Deep blue.....	\$0.30	\$1.75
			\$13.50
Cloth of Gold.	Rich yellow, brown veins..	.30	1.75
			13.50
Cloth of Silver.	Silvery white, striped lilac..	.30	1.75
			13.50
King of the Blues.	Purple.....	.30	1.75
			13.50
Mont Blanc.	Pure white.....	.30	1.75
			13.50
Sir Walter Scott.	White, striped lilac....	.30	1.75
			13.50
Giant Named Mixed.....		.25	1.50
			12.00

## MIXED CROCUS IN SEPARATE COLORS

Our bulbs of mixed Crocus are all of the largest size and should not be confounded with the cheap mixtures which are frequently offered.

	Doz.	100	1000
Blue and Purple.....	\$0.20	\$1.15	\$9.00
Striped.....	.20	1.15	9.00
White.....	.20	1.15	9.00
Yellow.....	.30	1.50	12.50
Yellow. Mammoth size.....	.30	1.75	15.00
Yellow. Giant size.....	.50	2.75	22.50
Mixed. All colors.....	.20	1.15	9.00



**CHIONODOXA** (See next page)



*Crown Imperial*

## CROWN IMPERIAL

(*Fritillaria Imperialis*)

A majestic plant, producing early in spring, stout stems 3 to 4 feet long with a crown-like cluster of bell-shaped flowers at the top, which are gorgeous in coloring. Ideal for planting in hardy borders.

If wanted by Parcel Post, add 15c. per doz. for postage.

	Each	Doz.	100
Aurora. Orange red.....	\$0.30	\$3.00	\$20.00
Crown Upon Crown. Orange red.....	.35	3.50	25.00
Lutea. Yellow.....	.40	4.50	30.00
Mixed Colors.....	.20	2.25	15.00

## CROWN IMPERIAL

(*Fritillaria Meleagris*)

Dwarf spring flowering plants, with large pendant bell-shaped flowers. Excellent for pot culture and valuable for large groups in the garden border.

	Each	Doz.	100
Very Fine Mixed.....	\$0.10	\$0.85	\$5.00

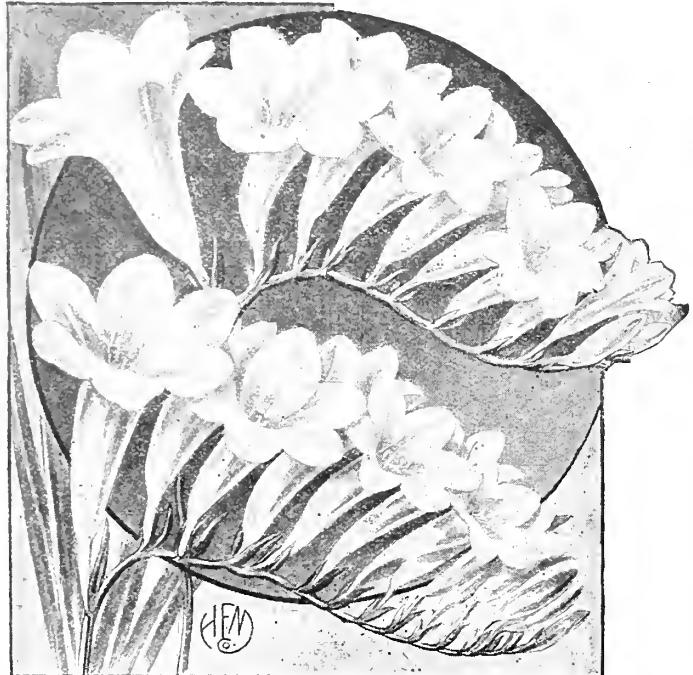
**CHIONODOXA (Glory of the Snow)**

An early flowering spring bulb for borders or rockery, also for massing on a lawn like crocus. Height about 6 inches.

If wanted by Parcel Post, add 10c. per 100 for postage.

Doz.	100	1000
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Lucilaea.	Bright blue with white center	\$.60	\$3.50	\$32.50
Sardensis.	Very deep blue with white center	.60	3.50	32.50



Purity Freesia

**FREESIAS**

One of the most delightful house plants grown and well known for their delightful fragrance. Plant at intervals from August to October, six to twenty-five bulbs in a single pan, according to size. They should be put outside until the approach of frost, then taken inside to the conservatory or a light, airy window, where they will flower freely in January.

If wanted by Parcel Post, add 10c. per 100 for postage.

**MICHELL'S PURITY FREESIA**

The flowers are of extra large size, and of a pure glistening white; the stems are often 15 inches long and very wiry, rendering it a most valuable cut flower. Each bulb will produce 3 or 4 flower stems.

	Each	Doz.	100	1000
First Size Bulbs.....	\$.04	\$.40	\$2.25	\$17.50
Mammoth Size Bulbs.....	.07	.65	3.75	32.50
Monster Size Bulbs.....	.10	1.00	6.50	55.00
Jumbo Bulbs.....	.12	1.25	8.00	75.00

**NEW COLORED FREESIAS**

Equal in size to the "Purity." These colored Freesias produce flowers of excellent form and splendid texture, and are rapidly gaining in favor on account of their lovely and unique colorings. They require the same cultural treatment as the white Freesia.

	Each	Doz.	100	1000
General Pershing. Bronzy pink.....	\$.07	\$.75	\$5.00	\$45.00
Orange.....	.07	.75	5.00	45.00
Red.....	.07	.75	5.00	45.00
Splendens. Lavender.....	.07	.75	5.00	45.00
Yellow.....	.07	.75	5.00	45.00
Rainbow Mixture.....	.06	.65	3.75	32.50



Chionodoxa

**GLADIOLUS (For Forcing)  
COLVILLEI TYPE (Ready in October)**

These are winter flowering strains of slender growth with beautiful orchid-like flowers, which are ideal for growing in the hot-house or conservatory. As soon as the bulbs are received they should be planted in flats or pans and stored in a cold frame or other protected place. About February 1st they should be brought into gentle heat and light. They cannot stand quick forcing and should not be brought into bloom until April or May.

If wanted by Parcel Post, add 5c. per doz., 15c. per 100 for postage.

	Doz.	100	1000
Ackermannii. Salmon, flaked carmine, violet eye.....	\$.08	\$.80	\$6.00
Blushing Bride. White, blotched crimson.....	.08	.80	6.00
Peach Blossom. Delicate pink.....	.08	.80	6.00
The Bride. Pure white.....	.08	.80	6.00



Gladiolus, Blushing Bride



*Gloxinias*

### GLOXINIAS

(Ready in January)

A gorgeous plant either for the conservatory or garden. They prefer a moist soil and a shady situation. Bulbs may be started as early as January, but should not be set outdoors until after May 15th.

If wanted by Parcel Post, add 10c. per doz., 25c. per 100 for postage.

	Each	Doz.	100		Each	Doz.	100
Blue	\$.35	\$3.75	\$25.00	Spotted	\$.35	\$3.75	\$25.00
Purple	.35	3.75	25.00	White	.35	3.75	25.00
Red	.35	3.75	25.00	Mixed	.35	3.75	25.00

### GRAPE HYACINTHS (See next page)



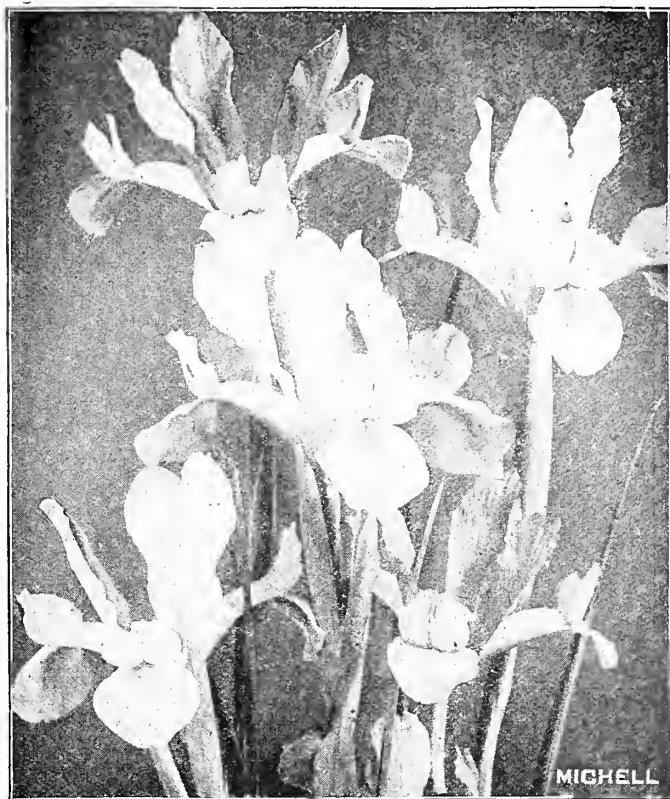
*Ixiias*

### IXIAS

A charming little store and conservatory bulb; it may also be planted outdoors if put in a protected position with plenty of covering during the winter, and in well drained soil.

If wanted by Parcel Post, add 10c. per 100 for postage.

	Doz.	100	1000
Scarlet	\$.60	\$3.50	\$28.50
Extra Fine Mixture	.50	3.25	27.50



*A Bunch of Spanish Iris*

### SPANISH IRIS (*Iris Hispanica*)

(Ready in September)

Graceful, slender stems, with loose but beautiful flowers, the charming colors producing a combination not surpassed by an orchid. The finest effects are produced when planted in clumps in the perennial border; flowering period May and early June. They are also excellent for growing in pots indoors.

If wanted by Parcel Post, add 10c. per 100 for postage.

	Each	Doz.	100	1000
Alex. Von Humboldt.	Light blue	\$.07	\$0.75	\$5.25
Belle Chinoise.	Deep yellow	.07	.75	5.25
Cajanus.	Canary yellow, orange blotches	.07	.75	5.25
Darling.	Bright dark blue	.07	.75	5.25
King of the Blues.	Purplish blue	.07	.75	5.25
Queen Wilhelmina.	Beautiful white, with small yellow blotches	.07	.75	5.25
Reconnaissance.	Bronze	.07	.75	5.25
Snowball.	White, tinged sky blue	.07	.75	5.25
Mixed Colors	.....	.07	.75	5.25

### DUTCH IRIS (*Hollandia*)

These are best described as a giant strain of early flowering Iris Hispanica, blooming fully two weeks earlier; flowers very large.

Each Doz. 100 1000

Albert Cuyp.	Pale blue passing to white, falls primrose, orange blotch	\$.10	\$1.00	\$6.75	\$60.00
David Teniers.	Pale lavender, falls lemon yellow	.10	.90	6.25	55.00
Frans Hals.	Light blue, falls yellow	.08	.85	5.75	50.00
Hart Nibrig.	Brilliant, clear blue	.10	.90	6.25	55.00
Rembrandt.	Deep blue, with orange yellow blotch	.10	.90	6.25	55.00

### IRIS FILIFOLIA

A strain of Iris Hispanica, that flowers from 2 to 3 weeks earlier.

Each Doz. 100 1000

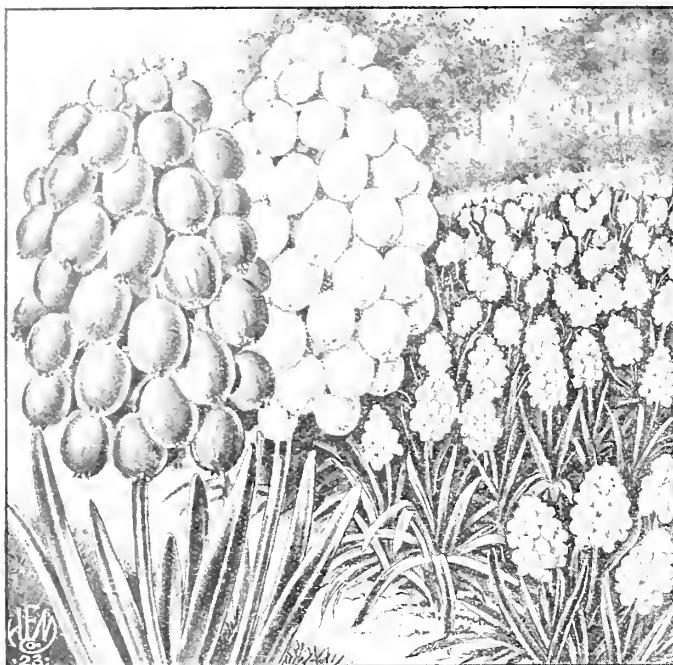
Celestial.	Blue	\$.10	\$1.00	\$6.50	\$60.00
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### IRIS TINGITANA

A beautiful light blue; excellent for early forcing.

Each Doz. 100 1000

		\$0.12	\$1.25	\$9.00	\$80.00
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Grape Hyacinths

**GRAPE HYACINTHS (Muscari)**

A charming bulb for the hardy garden, where they may remain undisturbed for years. Blooms outdoors during April and May. Also excellent for pot culture.

If wanted by Parcel Post, add 10c. per 100 for postage

	Doz	100	1000
Botryoides. Deep blue.....	\$0.50	\$3.00	\$27.50
“ Albus. Snow white.....	.50	3.00	27.50
“ Heavenly Blue. Light blue; large flower trusses.....	.60	3.75	30.00

**LILY OF THE VALLEY**

(Ready in December)

A beautiful pure white flower; principally used for winter forcing. Very fragrant and produced in abundance. For indoor culture plant about 25 pips or roots in a 7-inch pot or pan, place outside, where they should be left until they have been subjected to several nights' freezing, which brings them into flower more readily. When grown outdoors always plant in a shaded place, preferably moist.

**Michell's Fancy Giant Flowering.** The finest strain of Valley procurable. If wanted by Parcel Post, add 10c. per doz.; 25c. per 100 for postage. Per doz., 75c.; \$5.00 per 100; per 1,000, \$45.00.

**Clumps.** Ready in November. For outdoor planting only. 60c. per bundle; per doz., \$6.00; \$45.00 per 100.

**COLD STORAGE LILY OF THE VALLEY**

(Ready Now)

Per 100, \$7.00; \$65.00 per 1000. Not less than 100 sold.

**TESTIMONIAL**

Hopewell, N. J.

I certainly do feel that I owe you thanks for the beautiful lot of bulbs you sent me last November. I do not think I ever saw a more beautiful lot, and everyone who has seen them, wishes to know where I got them.

F. S. T.



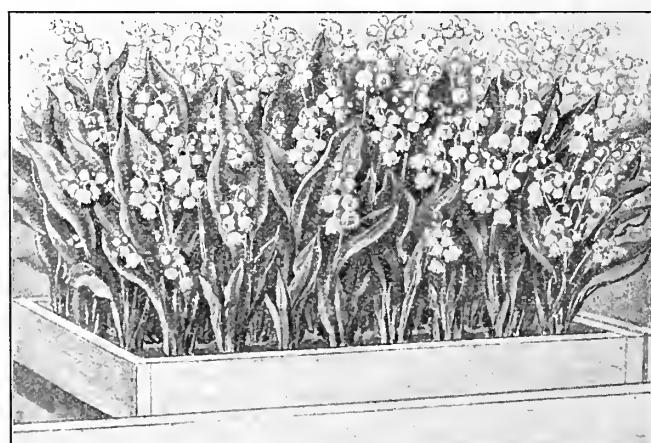
Montbretia

**MONTBRETIAS (Ready in December)**

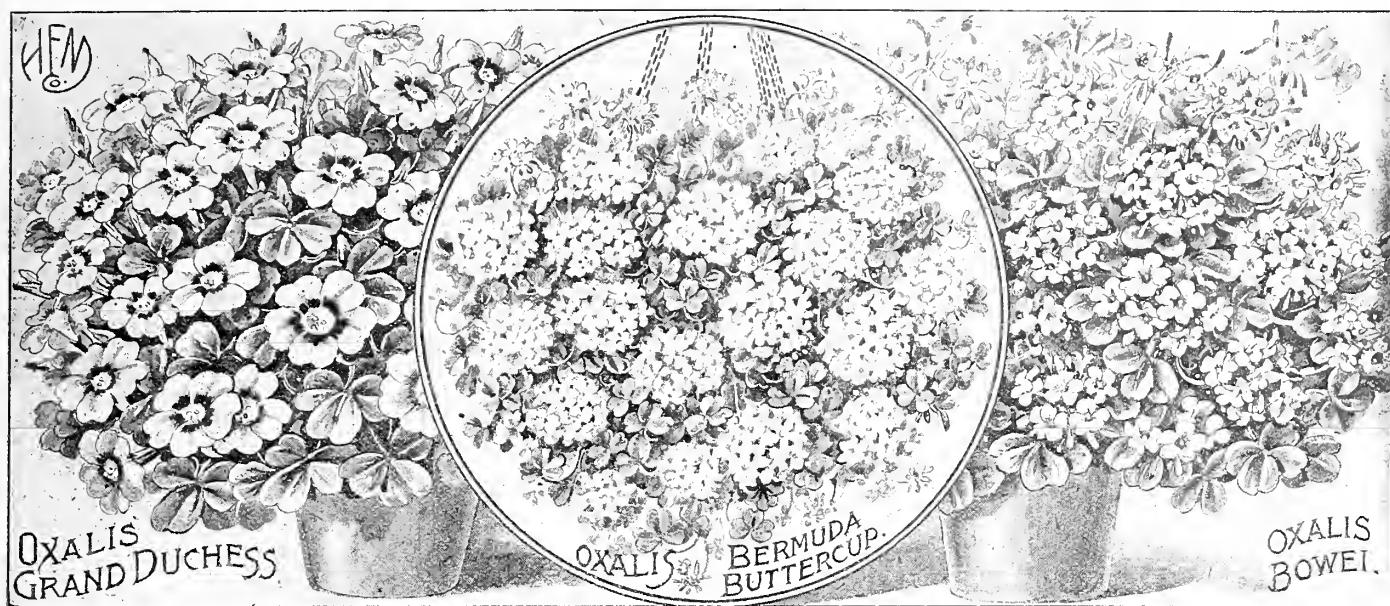
A beautiful flowering bulb resembling a miniature Gladiolus; absolutely hardy and only effective when planted in masses of from 50 to 100 bulbs in a clump. The bulbs can be planted as long as the ground is open, about 3 inches deep; they can also be planted in the early spring.

If wanted by mail, add 15c. per 100 for postage.

	Each	Doz.	100	1000
Choice Named Varieties.....	\$0.12	\$1.25	\$8.50	\$75.00



Lily of the Valley

**OXALIS**

For conservatory, greenhouse and window garden culture the Oxalis is ideal. It succeeds anywhere and with any one, flowering often in 6 to 8 weeks after planting. Plant 4 to 6 bulbs in a pot or hanging basket.

If wanted by Parcel Post, add 10c. per 100 for postage.



Ranunculus

**RANUNCULUS (Buttercup)**

An attractive flower resembling a giant double buttercup, or double poppy. They should be grown in pots indoors for winter blooming or in frames outdoors for early spring flowering.

If wanted by Parcel Post, add 10c. per 100 for postage.

	Doz.	100	1000
Giant Fringed Mixed	\$0.70	\$4.75	\$42.50

	Each	Doz.	100
Grand Duchess. Lavender.....	\$0.05	\$0.45	\$2.50
"    "    Pink.....	.05	.45	2.50
"    "    White.....	.05	.45	2.50
"    "    Yellow.....	.05	.45	2.50
Bermuda Buttercup. Yellow, first size.....	.04	.40	2.50
"    "    Mammoth bulbs.....	.07	.75	4.00
Bowei. Large flowering; rich pink.....	.06	.65	4.25



Scillas

**SCILLAS**

(Squills, Wood Hyacinths, Blue Bells, Etc.)

Excellent for planting around beds of tulips, hyacinths or daffodils, or among shrubbery in the herbaceous border. They also do well if planted indoors in pots or pans. The Campanulata type grow about 15 inches high; the Siberica 3 to 4 inches.

If wanted by Parcel Post, add 10c. per 100 for postage.

Doz.	100	1000
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Campanulata Alba. White.....	\$0.55	\$3.50	\$32.50
"    "    Coerulea. Blue.....	.55	3.50	32.50
"    "    Rosea. Pink.....	.60	3.75	35.00
Siberica. Blue.....	.70	4.75	42.50

6 Bulbs of any one variety at dozen rate; 25 at 100 rate; 250 at 1000 rate

(ow)

**SNOWDROPS****(Galanthus)**

The first flower to bloom in spring.



No flower plays a more important part in the garden than the Snowdrop, not only being the earliest to bloom, but one of the loveliest. A combination of Crocus, Scillas and Snowdrops make a glorious effect when planted promiscuously in a border, one following the other in flowering and in change of color. They are perfectly hardy.

If wanted by Parcel Post, add 10c. per 100 for postage.

	Doz.	100	1000
Double. Pure white.....	\$0.65	\$4.50	\$37.50
Single. Pure white.....	.60	3.75	35.00

**ZEPHYRANTHES (Fairy Lily)**

A splendid pot plant for winter, of easiest culture. Planted outdoors in May, they will flower the entire season.

If wanted by Parcel Post, add 10c. per 100 for postage.

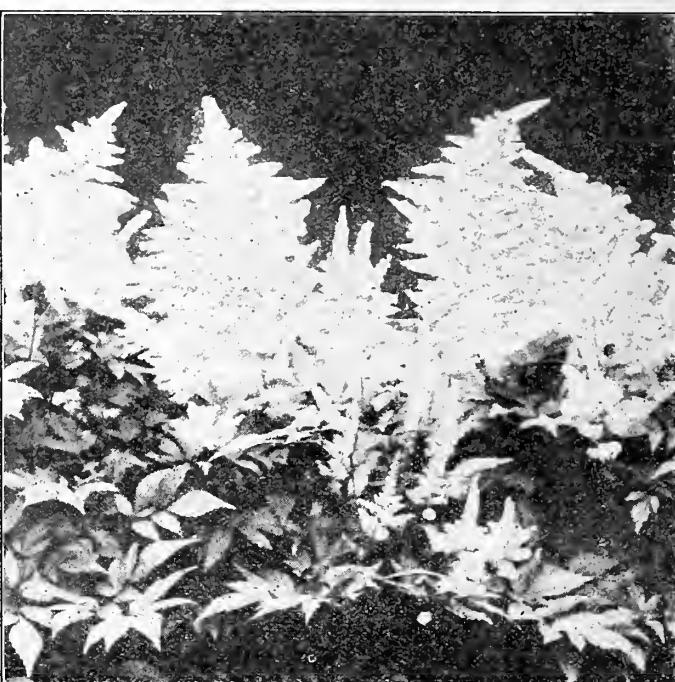
	Each	Doz.	100
Treatea Alba. White.....	\$0.15	\$1.50	\$10.00
Treatea Rosea. Pink.....	.25	2.25	17.50

**MICHELL'S PREPARED BULB FIBRE**

Narcissus Growing in Fibre

The ideal material in which to grow bulbs, such as Roman Hyacinths, Dutch Hyacinths, Narcissus, Tulips, etc., using vases, crocks, or other receptacles, without drainage. The advantage of this system is that the vases can be placed anywhere about the house, in the drawing room, or dining room, without any fear of water or soil coming through the base of the pots. The bulbs are potted the same way as in ordinary soil, after which they require little attention, except to keep the material moist.

Price, 15c. per qt.; 4 qts., 45c.; 75c. per peck; per bu., \$2.00.



Spiraea, Gladstone

**SPIREA****(Ready About December 1st)**

This is a favorite Easter plant, rivaling with the lily. If wanted for indoor blooming, pot the roots on arrival, water well and place outdoors for about 6 to 8 weeks. They may be brought in and placed in a moderately warm room, the cooler, without freezing, however, the better. They can be made to flower almost any time by putting in a warmer place.

**Gladstone.** This popular, large flowering variety is an improvement on all other white varieties. The immense trusses of flowers are snow white, borne on strong, erect stalks and are produced in great abundance. 85c. each; per doz., \$9.00; \$65.00 per 100.

**Princess Mary.** An extra fine pink variety; a splendid forcer. 85c. each; per doz., \$9.00; \$65.00 per 100.

**Queen Alexandra.** A beautiful shade of pink. The plant should be shaded as it comes into bloom in order to bring the flower to full perfection. 85c. each; per doz., \$9.00; \$65.00 per 100.

**Rubens.** Rich, brilliant pink; in growth and habit it resembles Gladstone, but is much deeper than other pink varieties. 85c. each; per doz., \$9.00; \$65.00 per 100.

**MATERIAL FOR SUCCESSFUL HOUSE CULTURE OF BULBS**

	Qt.	4 qts.	Pk.	Bu.	Bbl.
Charcoal (Lump).....		\$0.10	\$0.35	\$0.65	\$2.25
Leaf Mould.....		.10	.30	.50	1.50
Pebbles.....		.10	.40	.75	2.00
Potting Sand.....		.10	.25	.40	1.40
Prepared Potting Soil.....		.10	.25	.40	1.50
			Each	Doz.	100
6-inch Bulb Pans.....				\$0.09	\$0.98
7-inch Bulb Pans.....				.15	1.62
4-inch Pots.....				.04	.36
Hyacinth Glasses.....				.40	4.00

# MICHELL'S "DISTINCTIVE" FLOWER SEEDS

## FOR AUTUMN AND EARLY WINTER SOWING

23

For Complete List of Flower Seeds, see Our General Catalogue for 1923

### ACHILLEA (Milfoil or Yarrow)

*Ptarmica, Fl. Pl., "The Pearl."* Tall erect plants, bearing its pure white double flowers in great profusion all summer; hardy perennial; 2 ft. .... \$0.75 \$0.10

### ACONITUM (Monk's Hood or Helmet Flower)

Hardy perennial, thriving best in semi-shady situations; curious hood-shaped flowers in clusters; 4 feet; August-September.

Large pkt. Pkt.

*Napellus.* Blue..... \$0.40 \$0.10

### AGROSTEMMA

*Coronaria (Mullein Pink).* Erect growing plants with silvery foliage and crimson flowers; hardy perennial; 2 1/2 to 3 feet; June to August..... .25 .10

### ALYSSUM

*Lilac Queen.* Dwarf and compact; flowers lilac..... \$0.25 \$0.10

*Little Dorritt.* Extremely dwarf and compact, with miniature white flowers..... oz., 90c. .25 .10

*Little Gem.* Dwarf compact plants, densely covered with large pure white flowers; 4 inches..... oz., 75c. .25 .10

*Michell's Bouquet (New).* Dwarf and compact; forms a perfect bouquet of miniature white flowers..... .40 .15

*Saxatile Compactum (Basket of Gold).* Showy golden yellow flowers; hardy perennial; excellent for rock work or border; 1 ft..... oz., 90c. .30 .10

*Sweet.* The popular old-fashioned sort; of trailing habit, with pure white flowers; 6 inches..... oz., 40c. .25 .05

### AMPELOPSIS (Boston or Japanese Ivy)

*Veitchi.* A hardy perennial climber with olive green leaves, which turn to scarlet in the autumn. oz., 40c. .25 .10

### ANCHUSA (See Bugloss)

*Italica "Dropmore."* A hardy perennial plant, 4 feet high, with an abundance of beautiful flowers of a lovely gentian blue..... .40 .15

### ANEMONE (Wind Flower)

A dainty spring flower with bright cup-shaped blossoms; splendid for cutting; perennial. Large pkt. Pkt.

*Coronaria.* Mixed colors; 1 foot..... \$0.25 \$0.05

*St. Brigid, or Poppy.* Flowers of large size; semi-double and double, in many colors; 1 foot..... .60 .15

### ANTHEMIS (Hardy Marguerite)

*Tinctoria Kelwayi.* A handsome hardy perennial, bearing all summer, daisy-like bright yellow flowers; excellent for cutting; 2 feet..... .30 .10

### AQUILEGIA OR COLUMBINE (See next page)

### ARABIS (Rock Cress)

Large pkt. Pkt.

*Alpina.* Early spring flowering perennial; especially adapted for edging and rockery; plants form a dense carpet completely covered with pure white blossoms; 6 inches..... .25 .10

### ASPARAGUS

100 Seeds Pkt.

*Plumosus Nanus.* An excellent plant for house or conservatory decoration or cutting, on account of its graceful, finely cut foliage..... \$1.00 \$0.25

*Sprengeri.* One of the best plants to grow in hanging baskets or window boxes for the greenhouse in winter or for outdoors in the summer..... .50 .10

### ASPERULA (Woodruff)

Large pkt. Pkt.

*Odorata.* Dwarf spring flowering perennial, thriving in partial shade; flowers white; 1 foot; May..... \$0.40 \$0.10

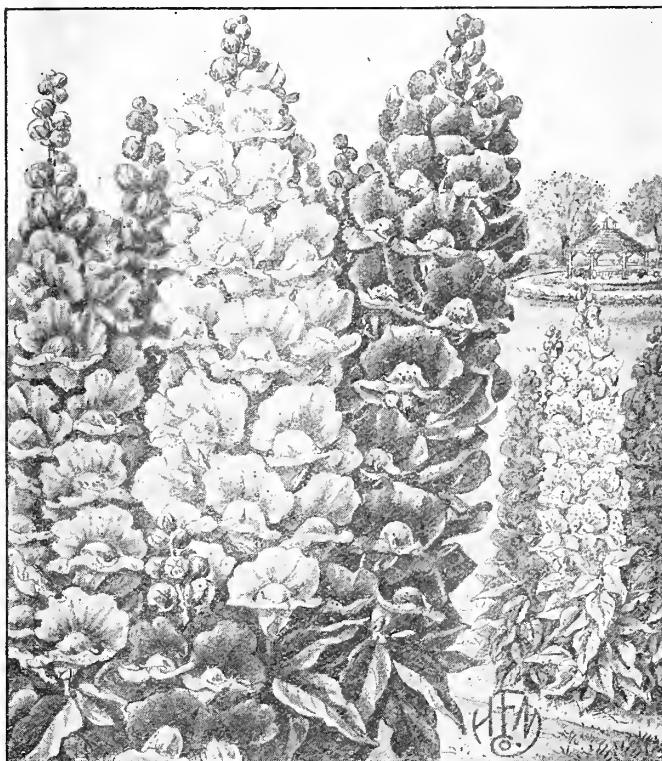
### ASTER, PERENNIAL (Michaelmas Daisy)

Large pkt. Pkt.

*Choice Mixed.* One of the showiest of our late flowering perennial plants; star-like, single flowers; 2 to 3 feet..... \$0.40 \$0.10

### AURICULA (Primula Auricula)

*Choice Mixed.* These early flowering perennial plants resemble primroses; multi-colored flowers in great variety; for borders or pot culture; 6 inches..... .75 .10



Michell's Giant Antirrhinum (Snapdragon)

### ANTIRRHINUM (Snapdragon)

A splendid plant for beds or borders and one of our choicest cut flowers; extensively forced under glass during the winter.

### MICHELL'S GIANT ANTIRRHINUMS

Spikes, 2 to 3 feet in length, with giant flowers. Large pkt. Pkt.

<i>Michell's Giant Salmon Pink.</i> Long spikes of flowers of a delicate salmon pink color.....	\$0.60	\$0.15
<i>Keystone.</i> Long spikes; color, rose pink.....		1.00
<i>Silver Pink.</i> .....		1.25
<i>Giant Philadelphia Pink (New).</i> Pure pink.....		1.25
<i>Giant Canary Bird (New).</i> Canary yellow.....	.60	.25
<i>Giant Cattleya (New).</i> Silver rosy lilac, golden lip	.60	.25
<i>Giant Snowflake (New).</i> Pure white.....	.60	.25
<i>Giant Garnet.</i> .....	.30	.10
<i>Giant Pink.</i> .....	.30	.10
<i>Giant Scarlet.</i> .....	.30	.10
<i>Giant Striped.</i> .....	.30	.10
<i>Giant Venus.</i> Shell pink on white ground.....	.30	.15
<i>Giant White.</i> .....	.30	.10
<i>Giant Yellow.</i> .....	.30	.10
<i>Collection,</i> one packet each six colors, 50c.		
<i>Giant Mixed.</i> All colors..... oz., 90c. .30		.10

### ANTIRRHINUMS—Various Sorts

The Semi-Dwarf sorts grow about 18 inches high, with large flowers over most of the stem. Large pkt. Pkt.

<i>Semi-Dwarf. Bride.</i> Pure white.....	\$0.30	\$0.10
" <i>Daphne.</i> Carmine pink, white throat.....	.30	.10
" <i>Defiance.</i> Fiery scarlet.....	.30	.10
" <i>Firebrand.</i> Rich deep red.....	.30	.10
" <i>Golden Queen.</i> Golden yellow.....	.30	.10
" <i>Mont Blanc.</i> Pure white.....	.30	.10
" <i>Nelrose.</i> Pink.....	.30	.15
" <i>Rose Queen.</i> Rich rose.....	.30	.10
" <i>Mixed.</i> All colors..... oz., \$1.00	.30	.10

*Tall Mixed.* Regular strain..... oz., 75c. .25 .05

*Tom Thumb Mixed.* All colors; 12 inches..... .30 .10

Ask for Cultural Leaflet No. 201 on the growing of Antirrhinums.

(ow)



Aquilegia (Columbine) Long Spurred (Large pkt. 50c.)

**AQUILEGIAS OR COLUMBINES**

A graceful spring flowering plant; exquisitely spurred flowers on stems 2 feet above the fern-like foliage.	Large pkt.	Pkt.
Californica <i>Hybrida</i> . Mixed colors; long spurs....	\$0.50	\$0.10
Chrysanthia (Golden Spurred). Bright golden yellow.....	.60	.10
Coerulea (Rocky Mountain Columbine). Large flowers, violet-blue and white.....	.50	.10
Long Spurred Hybrids. Flowers of many rich and varied colors, with long spurs.....	.50	.10
Rose Queen. Pink, white centre, yellow anthers..	.75	.15
Double Mixed. All colors..... oz., 75c.	.25	.05
Single Mixed. All colors..... oz., 60c.	.25	.05

**BABY'S BREATH (See Gypsophila)****BACHELOR'S BUTTON (See Centaurea)****BELLIS PERENNIS (See Daisy)****BOCCONIA (Plume Poppy)**

Large pkt. Pkt.

Cordata. A splendid hardy perennial, with glaucous green foliage and spikes 2 to 3 feet long of creamy white flowers; 5 feet.....	\$0.25	\$0.10
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**BROWALLIA**

Elegant free flowering plants; blooms finely in the winter if the plants are lifted and cut back; 18 inches.	Large pkt.	Pkt.
Elaea Coerulea. Sky-blue flowers.....	\$0.30	\$0.10
Speciosa Major. Large ultramarine blue flowers; desirable as a pot plant for winter and spring flowering.....	.75	.20

**CALCEOLARIA**

Excellent plants for decorating the greenhouse or conservatory; produces a mass of pocket-like flowers.	Large pkt.	Pkt.
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Hybrida Grandiflora, Tall Mixed. Large, rich, self-colored flowers saved from a choice collection; 18 inches.....	\$0.85	\$0.25
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Hybrid Grandiflora, Pumila Compacta. Of dwarf, compact growth; trusses of large, self-colored and spotted flowers; 1 foot.....	.85	.25
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Rugosa (Shrubby). Mixed colors. Small flowering, for bedding.....	.85	.25
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**CALLIOPSIS (Coreopsis)**

California Sunbeams. Large flowers beautifully formed; yellow and brown..... oz., 75c.	.25	.10
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Lanceolata Grandiflora. Single golden yellow flowers of graceful form; invaluable for cutting; blooms the entire summer..... oz., 50c.	.25	.10
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**CAMPANULA MEDIA (Canterbury Bell)**

Showy, hardy biennial, growing about 3 feet high, with large bell-shaped flowers. Sow from June 1st till September 1st; after frost has set in protect with leaves and straw.

	Oz.	Large pkt.	Pkt.
Single Blue.....	\$0.60	\$0.25	\$0.10
“ Pink.....	.60	.25	.10
“ White.....	.60	.25	.10
“ Mixed.....	.50	.25	.05
Double Blue.....		.50	.10
“ Pink.....		.50	.10
“ White.....		.50	.10
“ Mixed.....	1.50	.40	.10

**CAMPANULA MEDIA CALYCANTHEMA (CUP AND SAUCER CANTERBURY BELLS)**

These produce beautiful, large single flowers, resembling a cup and saucer; they require the same treatment as above.

	Large pkt.	Pkt.
Blue.....	\$0.50	\$0.10
Pink.....	.50	.10

**CAMPANULAS OR BELLFLOWERS (PERENNIAL VARIETIES)**

These are among our best known hardy perennials; the tall varieties are fine for cutting while the dwarf sorts make excellent border plants; all have dainty bell-shaped flowers.

	Large pkt.	Pkt.
Carpatica (Carpathian Hare Bell). Compact tufts not exceeding 8 inches; flowers clear blue, held erect; blooms in June and July.....	\$0.30	\$0.10
Carpatica, Alba. Pure white.....	.30	.10

Persicifolia Grandiflora (Peach Bells). Blue; spikes 4 feet tall with bell-shaped flowers.....	.75	.15
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Persicifolia Grandiflora, Alba. Pure white.....	.75	.15
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Pyramidalis (Chimney Bell Flower). Perfect pyramids 6 feet high crowded with large bell-shaped flowers, blue and white mixed.....	.40	.10
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(ow)

## CANDYTUFT (*Iberis*)

Dwarf, profuse flowering garden annuals of easy culture; useful for bedding or borders; blooms within six weeks after sowing; excellent for cutting; height, 1 foot.

	Oz.	Large Pkt.	Pkt.
Carmine.....	\$0.40	\$0.25	\$0.10
Crimson.....	.40	.25	.10
Empress. An excellent variety with long trusses of pure white flowers.....	.40	.25	.10
Lavender.....	.40	.25	.10
Little Prince. Very dwarf and compact, with pure white flowers; excellent for edging.....	.50	.25	.10
Michell's Giant White. The largest and finest white. From 10 to 12 immense spikes resembling Hyacinths appear on a single plant; fine for forcing.....	.60	.25	.10
Pink. Flesh color.....	.50	.25	.10
Purple. Deep rich purple.....	.40	.25	.10
Rose Cardinal. Brilliant rosy red.....	.60	.25	.10
Choice Mixed. All colors.....	.25		.05
Collection. One packet each, 6 colors.....			.50
Sempervirens. Dwarf spring flowering perennial plants; ideal for the bulb border; flowers of glistening white; May; 1 foot.....	.60		.10

## CANTERBURY BELL (See *Campanula*)

### CARNATION

These are general favorites for their richness of color and delightful fragrance; they are desirable for greenhouse culture in winter as well as for the garden in summer. Large pkt. Pkt.

Chabaud's Everblooming, Mixed.	Blooms in five months after being sown, and continues to flower in the greatest profusion indefinitely.....	\$0.60	\$0.15
Early Vienna. Large double flowers in mixture...	.50	.10	
Choice Mixed. Double border varieties.....	.60	.10	

### MARGUERITE CARNATIONS

These are the most satisfactory of the annual pinks, and will bloom in four months after sowing the seed. The flowers are large, fragrant and are produced continuously. If slightly protected they will survive an ordinary winter and bloom the following spring.

	Large pkt.	Pkt.
Excelsior Mixed. Extra large flowers .....	\$0.50	\$0.15
Pink.....	.50	.10
Scarlet.....	.50	.10
White.....	.50	.10
Yellow.....	.50	.10
Choice Mixed.....	oz. \$1.50	.30

Ask for Cultural Leaflet No. 213 on the growing of Carnations from seed.

### CERASTIUM (Snow in Summer)

*Tomentosum*. Dwarf, white-leaved edging plant; flowers white; perennial; 4 inches.....

### CHRYSANTHEMUM (Perennial)

	Large pkt.	Pkt.
Early Flowering, Double and Semi-Double. Very showy; excellent for cutting; 1 foot.....	\$0.85	\$0.35
<i>Japanese Hybrids</i> . Large flowering; a choice mixture; seed sown in spring will produce flowering plants by fall; 2 feet.....	.75	.15
King Edward VII. Flowers extra large; pure white; very free flowering.....	.30	.10
Shasta Daisy, "Alaska." Extra large flowers, of pure glistening white, with broad overlapping petals; a beautiful cut flower; 2 feet.....	.60	.20

### CINERARIA

Most ornamental plants for conservatory or house decoration; seed may be sown from May to September for a succession. Our Grandiflora Prize Strain cannot be surpassed, immense trusses of large flowers, often measuring 4 inches across.

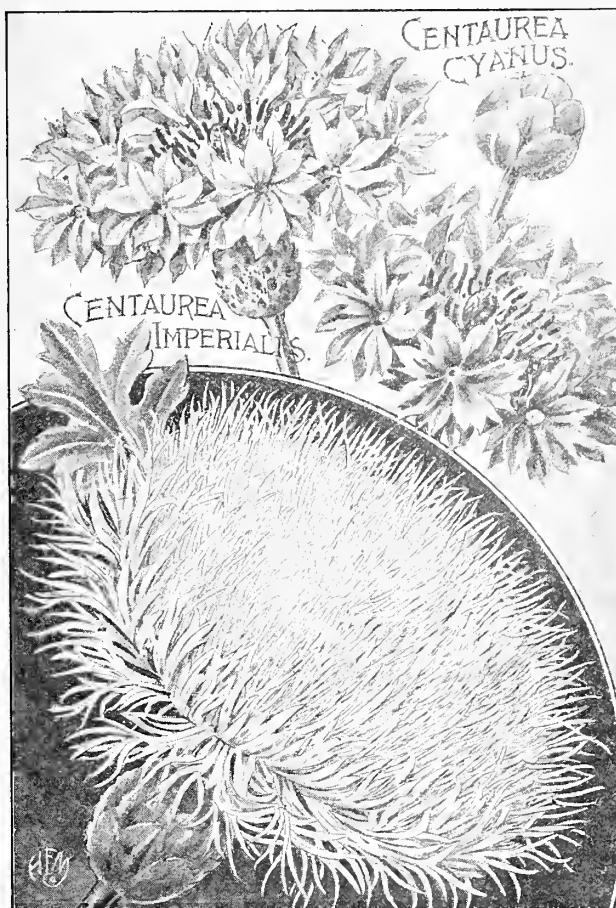
*Grandiflora Prize Dwarf*. Mixed colors; plants Large pkt. Pkt. of dwarf habit.....

*Grandiflora Prize Medium Tall*. Mixed colors; desirable as a decorative plant.....

*Matador*. Large flowering scarlet.....

*Stellata Hybrida*. Of graceful habit, produces a profusion of flowers; mixed colors.....

Ask for Cultural Leaflet No. 203 on the growing of Cinerarias.



### CENTAUREAS

#### CENTAUREA CYANUS

##### (Cornflower or Bachelor's Button)

	Oz.	Large pkt.	Pkt.
Double Blue. Large flowering.....	\$0.75	\$0.25	\$0.10
Double Rose.....	.75	.25	.10
Emperor William. Deep blue.....	.40	.25	.10
Pink.....	.40	.25	.10
White.....	.40	.25	.10
Choice Mixed.....	.40	.25	.10
Double Mixed.....	.50	.25	.05

### CENTAUREA IMPERIALIS

#### (Giant Cornflower, or Sweet Sultan)

	Oz.	Large pkt.	Pkt.
Deep Rose.....	\$1.00	\$0.30	\$0.10
Lavender.....	1.00	.30	.10
Lilac.....	1.00	.30	.10
Brilliant Pink.....	1.00	.30	.10
Purple.....	1.00	.30	.10
White.....	1.00	.30	.10
Choice Mixed.....	.75	.25	.10
Collection. One packet each above 6 colors ..			.50

### NEW GIANT FLOWERED CENTAUREA

Magnificent flowers on long stems; excellent for cutting.

	Large pkt.	Pkt.
Bride. Pure white.....	\$0.50	\$0.10
Bridegroom. Purplish mauve.....	.50	.10
Honeymoon. Golden yellow.....	.50	.10

### CENTAUREA (Perennial)

	Large pkt.	Pkt.
Large feathery flowers; splendid for cutting; blooms from July to September.		
Montana. Blue; 18 inches.....	\$0.40	\$0.10

# MICHELL'S "DISTINCTIVE" FLOWER SEEDS

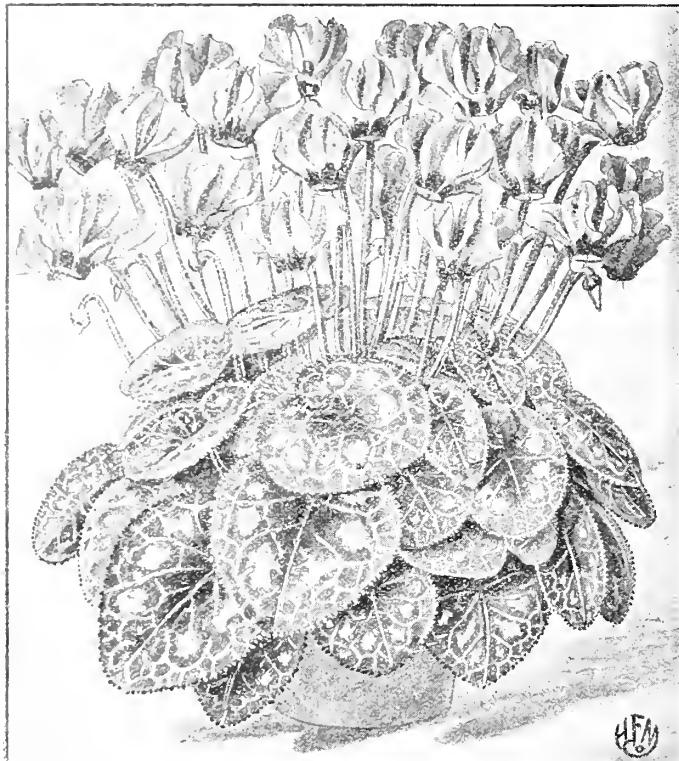
## CLEMATIS

Perennial climbers; fine for arbors, verandas, etc. Large pkt. Pkt.  
**Paniculata** (*Japanese Virgin's Bower*). The beautiful autumn-flowering variety, admired for its fragrant, white star-shaped flowers.....\$0.25 \$0.10

## COLUMBINE (See *Aquilegia*)

## COREOPSIS (See *Calliopsis*)

## CORNFLOWER (See *Centaurea*)



Mitchell's Giant Show Cyclamen

## CYCLAMEN

Most beautiful winter and spring flowering plants for the window and greenhouse. Not only are the flowers of striking beauty, but the foliage is also highly ornamental.

## MICHELL'S GIANT SHOW

Grown for us by a specialist who has received numerous first prizes for the large size and beautiful coloring of the flowers.

	100 Seeds	Pkt.	Large pkt.	Pkt.
Bright Red.....	\$2.50	\$0.50		
Dark Blood Red.....	2.50	.50		
Glory of Wandsbek.....	2.50	.50		
Perle of Zehlendorf.....	2.50	.50		
Pure White.....	2.50	.50		
Rose of Marienthal.....	2.50	.50		
White with Carmine Eye.....	2.50	.50		
Mixed. All colors.....	2.00	.40		

Ask for Cultural Leaflet No. 215 on the growing of Cyclamen.

## DAISY, ENGLISH DOUBLE (*Bellis Perennis*)

These are favorite perennials; seed should be sown from June 1st till September, transplanted in the fall and they will flower the following spring; 4 inches.

Large pkt. Pkt.

Monstrosa, Pink.	These surpass all strains of this popular plant in strong, robust growth and in the abundance of extra large, perfectly double flowers.	\$0.75	\$0.25
Monstrosa, White.....		.75	.25
Monstrosa, Mixed.....		.75	.25
Longfellow. Large double pink flowers.....		.60	.10
Snowball. Purest white; large and double.....		.60	.10
Double Mixed. Extra fine.....		.50	.10



Delphinium, Belladonna (Large pkt. 75c.)

## DELPHINIUM (Hardy Perennial Larkspur)

One of the finest hardy perennials; very easily grown from seed. Very effective in beds, masses or borders. To prolong the season of bloom, cut the old flower stems off after they have faded, and new shoots will produce flower heads successfully.

Large pkt. Pkt.

<b>Belladonna.</b> One of the most continuous blooming varieties; immense spikes of clear turquoise blue, which cannot be excelled for beauty; 5 feet.....	\$0.75	\$0.25
<b>Bellamosum.</b> A rich, deep blue form of the popular light blue Belladonna.....	.75	.25
<b>Chinense Grandiflorum.</b> A dwarf strain with loose branches and sprays of bright blue flowers; 2 feet.....	.30	.10
<b>Chinense Grandiflorum Album.</b> Pure white flowers.....	.30	.10
<b>Elatum (Bee Larkspur).</b> Rich blue; 4 feet.....	.40	.10
<b>Formosum.</b> Deep blue; 3 feet.....	.60	.10
<b>Formosum Coelestinum.</b> Sky blue.....	.75	.15
<b>Gold Medal Hybrids.</b> Produces long spikes of large flowers, the lighter shades of blue predominating.....	.40	.15
<b>Hybridum Mixed.</b> Very choice; 4 feet.....	.25	.05

Gentlemen:

Everett, Wash.

Please send us the enclosed order. Thanking you in advance, and will state that we have been using your flower seeds for a number of years with good results.

Yours truly,

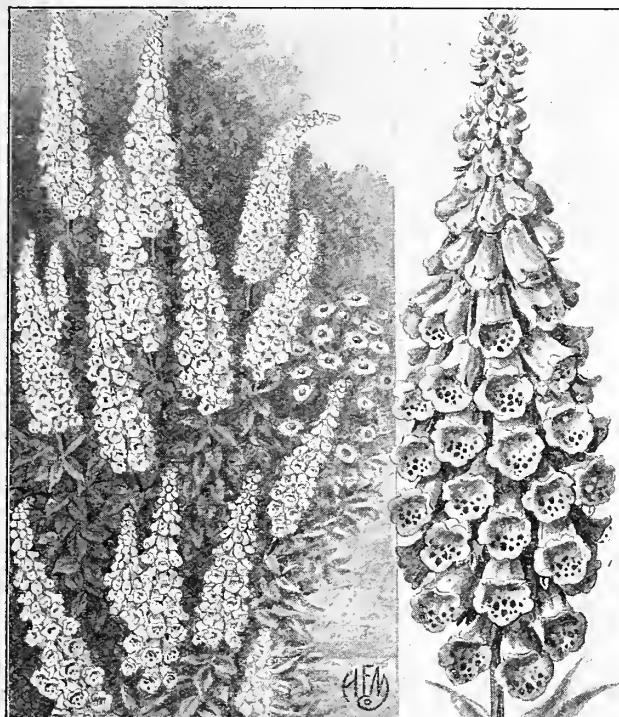
E. F. C.

## DIANTHUS (Hardy Garden Pinks)

Elegant summer flowering border plants, producing a wealth of deliciously fragrant flowers.	Large pkt. Pkt.
<b>Clove Scented.</b> Double and semi-double varieties, in beautiful colors; fragrant.....	\$0.50 \$0.10
<b>Double Scotch.</b> Choice mixed colors.....	.50 .15
<b>Erfurt.</b> Of dwarf, compact growth; blooms early; mixed colors.....	.60 .10
<b>Latifolius Atrococcineus Fl. Pl. (Everblooming Hybrid Sweet William).</b> Double scarlet.....	.40 .10
<b>Pheasant's Eye.</b> Single fringed flowers; mixed colors.....	.25 .10

## DICTAMNUS (Gas Plant)

<b>Fraxinella.</b> Showy, bushy plants 2½ feet high; purple red flowers; perennial; June and July.....	.30 .10
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*Digitalis (Foxglove) Gloxiniaeflora*

## DIGITALIS (Foxglove)

Ornamental hardy plants; long spikes of beautiful tubular-shaped flowers; blooms during June and July; 4 to 5 feet.

	Oz.	Large pkt.	Pkt.
<b>Gloxiniaeflora, Pink.</b>	.....	\$1.00	\$0.30
“ Purple	.....	1.00	.30
“ White	.....	1.00	.30
“ Mixed	.....	.75	.25
<b>Grandiflora. Yellow.</b>	.....	.90	.25

## DRACAENA

Ornamental plants for vases or conservatory decoration.

		Large pkt. Pkt.
<b>Australis.</b> Broad green leaves	.....	\$0.25 \$0.10
<b>Indivisa.</b> Narrow green leaves	.....	.oz., 50c. .25 .10

## EUPATORIUM

<b>Fraseri.</b> A fine hardy perennial, thriving in almost any situation, excellent for cutting; 2 feet.....	.25 .10
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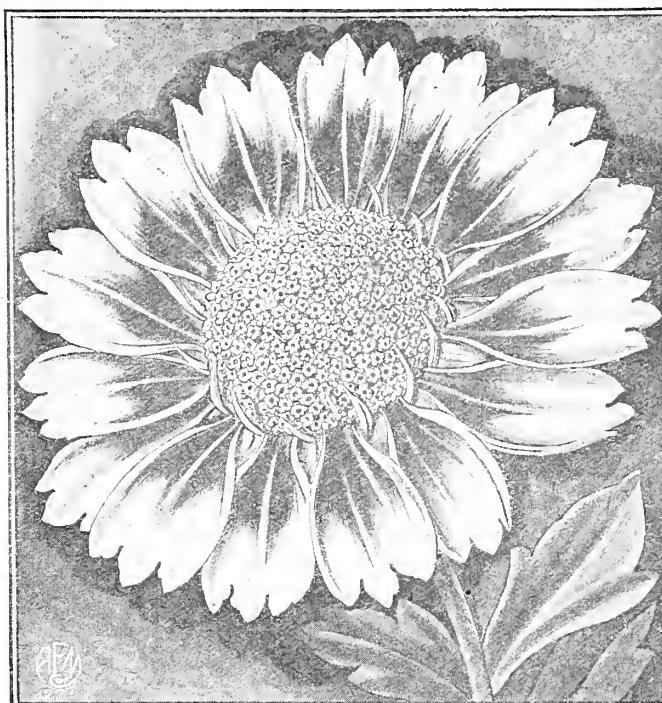
## FERNS

Very desirable plants for ferneries.	
<b>Adiantum (Maiden Hair).</b> Mixed.....	1.00 .15
<b>Pteris Varieties.</b> Mixed.....	1.00 .15
<b>All Sorts Mixed.</b> Choice collection.....	1.00 .15

We can also furnish all other good varieties of fern spores.

## FORGET-ME-NOT (See Myosotis)

## FOXGLOVE (See Digitalis)



*Gaillardia, Grandiflora Superba*

## GAILLARDIA (Blanket Flower) PERENNIAL VARIETIES

One of the most showy of hardy perennials; spikes of gorgeously colored flowers of immense size.

Large pkt. Pkt.

<b>Grandiflora Compacta.</b> A compact variety; choice mixed colors; 12 to 15 inches	.....	oz., 90c. \$0.25	\$0.10
<b>Grandiflora Sanguinea.</b> Blood-red flowers; 2 ft..	.....	.30	.15
<b>Grandiflora Semi-Double.</b> Mixed.....	.....	.30	.10
<b>Grandiflora Superba.</b> Mixed; 2 feet.....	oz., 90c.	.25	.10

## GENTIANA (Blue Gentian)

Large pkt. Pkt.

<b>Acaulis.</b> A dwarf hardy perennial; deep blue flowers; suited to moist, shady situations.....	.....	\$0.40	\$0.10
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## GERANIUM

100 Seeds Pkt

<b>Apple Scented.</b> Highly esteemed on account of its fern-like, fragrant foliage; 1 foot.....	.....	\$0.40	\$0.10
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<b>Pelargonium (Lady Washington).</b> Seed saved from the largest flowered show varieties.....	.....	2.50	.25
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<b>Zonale Mixed.</b> A superb strain of the largest and finest varieties; 1 to 2 feet.....	.....	\$0.60	\$.0.10
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## GERBERA (Transvaal Daisy)

Splendid greenhouse perennials with large fine-leaved, daisy-like flowers; splendid for pot plants or cutting.

100 Seeds Pkt

<b>Jamesoni Hybrida.</b> These hybrids include a wonderful range of brilliant colors and shades.....	.....	\$1.00	\$0.25
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## GEUM

Large pkt. Pkt.

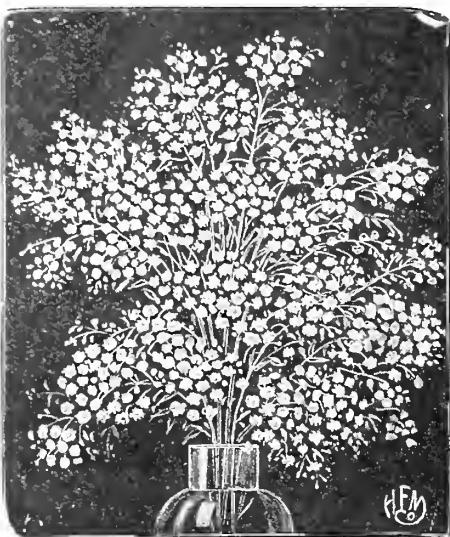
<b>Atrosanguineum Fl. Pl.</b> Hardy perennial, bearing large, showy, double dark crimson flowers all through the summer; fine for bouquets; 1½ ft....	\$0.30	\$0.10
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## GLOXINIA

<b>Hybrida Grandiflora.</b> An extra fine strain, embracing all the choicest self-colored and tigereed and spotted flowers.....	.....	.85	.25
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## MICHELL'S "DISTINCTIVE" FLOWER SEEDS



Gypsophila Paniculata Fl. Pl.

**GYPSOPHILA (Baby's Breath)**

Large pkt. Pkt.

Paniculata. Hardy perennial; flowers in graceful sprays of white; 2 feet.....	oz., 60c.	\$0.25	\$0.10
Paniculata, Fl. Pl. Double white.....		.75	.20

**HELENIUM (Sneeze Wort)**

Autumnale Superbum. Perennial; large heads of golden yellow flowers; 5 to 6 feet.....	.40	.10
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**HELIANTHUS (See Sunflower)****HELIOPSIS (Orange Sunflower)**

Pitcheriana. A handsome hardy perennial, producing an abundance of deep orange-yellow flowers the entire summer; excellent for cutting; 3 to 4 feet....	.25	.10
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**HELIOTROPE**

A well-known and highly prized plant on account of the delightful fragrance of the flowers; excellent for pots, or for bedding; 18 inches. Large pkt. Pkt.

Lemoine's Giant. Produces a profusion of flowers nearly double the size of the old sort; mixed colors.....	.50	\$0.15
Regal. Of dwarf compact growth; immense flowers in all shades.....	.60	.15
Choice Mixed. Many varieties.....	.40	.10

**HIBISCUS (Marshmallow)**

Showy ornamental perennial plants for mixed beds or shrubbery borders, with beautifully colored flowers. Large pkt. Pkt.

Crimson Eye. Flowers large; color, pure white with velvety crimson centre; 4 feet.....	.30	\$0.10
Golden Bowl. Giant yellow, maroon centre.....	.30	.10
Moscheutos. Large, rosy pink flowers.....	.25	.10
New Giant (Mallow Marvel). A greatly improved form; gigantic single flowers; many shades of red, pink, purple and white in mixture.....	.25	.15

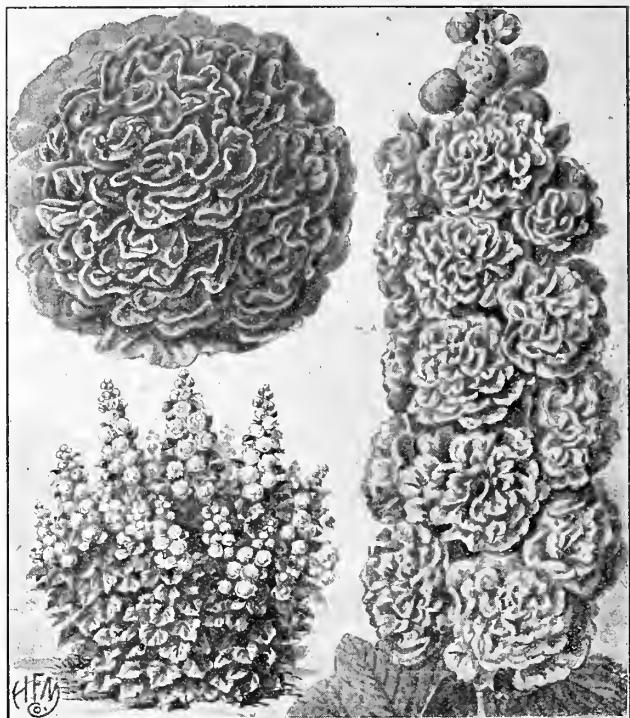
**IBERIS (See Candytuft)****IMPATIENS (Sultan's Balsam)**

A charming plant for house and conservatory decorations, flowering profusely and almost continuously. Large pkt. Pkt.

Holstii. Resembles Impatiens Sultani in leaf and shape of bloom, but flowers are larger; color, vermillion red.....	.60	\$0.20
Holstii, "New Hybrids." The colors offered in these Hybrids are beautiful and of many shades...	.60	.15
Sultani. Bright rose.....	.60	.15
Sultani Hybrida. Colors range from pale pink to dark crimson.....	.60	.15

**IRIS (Flowering Flag)**

Kaempferi (Japanese Iris). Hardy perennial; very showy; blooms the second year from seed; mixed colors; 3 feet.....	.25	.05
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Hollyhock—Chater's Double

**HOLLYHOCK**

A popular and desirable hardy perennial plant; excellent for planting among shrubbery or forming a background for other flowers; 6 to 7 feet. Oz. Large pkt. Pkt.

Allegheny. Semi-double; mammoth flowers, edges fringed and laciniated; mixed.....	\$1.25	\$0.30	\$0.10
Chater's Double Maroon.....	1.50	.30	.10
“ “ Pink.....	1.50	.30	.10
“ “ Red.....	1.50	.30	.10
“ “ Salmon.....	1.50	.30	.10
“ “ White.....	1.50	.30	.10
“ “ Yellow.....	1.50	.30	.10
“ “ Mixed.....	1.25	.30	.10
Collection, one packet each of above 6 colors, 50c.			
Double Ever-blooming Mixed.....	1.50	.40	.15
Single Ever-blooming Mixed.....	.90	.30	.10
Single Mixed.....	.75	.25	.10

**KENILWORTH IVY (Linaria Cymbalaria)**

A charming, neat trailing plant, for baskets, vases, pots and rock work; flowers violet..... Oz. .60 .10

**KUDZU VINE (See Pueraria)****LARKSPUR, PERENNIAL (See Delphinium)****LATHYRUS LATIFOLIUS****(Everlasting or Perennial Pea)**

Showy hardy perennial climber; fine for covering walls, stumps, fences, etc. Free flowering, resembling Sweet Peas in growth, foliage and flowers; excellent for cutting; 6 to 8 feet. Oz. Large pkt. Pkt.

Crimson. Brilliant.....	\$0.90	\$0.30	\$0.10
Pink Beauty. Bright rosy-pink.....	1.25	.30	.10
White.....	1.25	.30	.10
Choice Mixed. All colors.....	.75	.25	.05

**LAVENDER (Lavendula Vera)**

Well-known perennial plant, bearing long spikes of fragrant blue flowers; 18 inches..... oz., 90c. .30 .10

**LOBELIA**

Cardinalis (Cardinal Flower). Hardy perennial; tall spikes of showy cardinal red flowers..... .75 .10



# MICHELL'S GIANT PANSIES

Seed may be sown any time in the autumn, the earlier the better for early blooming the following spring.

## PANSIES IN MIXTURE

Large pkt. Pkt.

<b>Michell's Giant Exhibition.</b> A blending of our own containing only the very choicest secured from the leading Pansy specialists; it can be relied upon to produce flowers of immense size, very heavy texture and of the most brilliant colors. Per oz., \$10.00; 3.00 per $\frac{1}{4}$ oz.; per $\frac{1}{8}$ oz., \$1.75....	\$0.75	\$0.25
<b>Bugnot, Odier and Cassier.</b> A superb mixture of giant blotched varieties.....	$\frac{1}{8}$ oz., \$1.00	.75 .25
<b>Giant Trimardeau.</b> Very large flowering; all colors, mixed.....	$\frac{1}{4}$ oz., \$1.00	.50 .10
<b>Mad. Perret.</b> Early flowering; fragrant; especially rich in red shades.....	$\frac{1}{4}$ oz., \$1.25	.75 .25
<b>Masterpiece (Frilled Pansy).</b> Beautiful rich colors; petals curled or waved.....	$\frac{1}{8}$ oz., \$1.00	.75 .25
<b>Odier or Blotched.</b> Beautiful strain.....	$\frac{1}{4}$ oz., \$1.25	.75 .15
<b>Parisian Large Stained.</b> Choicest colors.	$\frac{1}{4}$ oz., \$1.25	.75 .15
<b>Triumph of the Giants Mixed.</b> Immense flowers of great brilliancy and richness of colors, including many new and rare shades. Per oz., \$11.00; \$3.25 per $\frac{1}{4}$ oz.; per $\frac{1}{8}$ oz., \$2.00.....	.85	.50
<b>Finest English Mixed.</b> oz., \$2.25	.40	.10
<b>Very Fine Mixed.</b> oz., 1.75	.30	.05

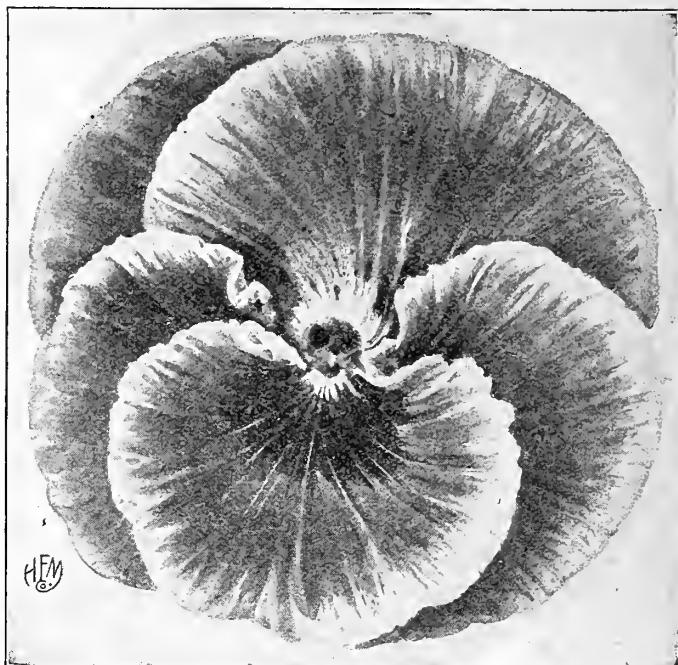
## GIANT PANSIES (Separate Colors)

A strain secured from the leading pansy specialists, and not to be compared with the ordinary Giant Trimardeau, as the flowers are of much heavier texture.

Large

	$\frac{1}{4}$ oz.	pkt.	Pkt.
<b>Giant Prize, Azure Blue.</b> Violet blue....	\$1.25	\$0.60	\$0.15
<b>Giant Prize, Black Blue.</b> Dark velvety....	1.25	.60	.15
<b>Giant Prize, Emperor William.</b> Ultramarine blue.....	1.25	.60	.15
<b>Giant Prize, Hortensia Red.</b> Scarlet....	1.25	.60	.15
<b>Giant Prize, King of the Blacks.</b> ....	1.25	.60	.15
<b>Giant Prize, Lord Beaconsfield.</b> Violet....	1.25	.60	.15
<b>Giant Prize, Peacock.</b> Upper petals blue lower petals deep claret with white margin	1.25	.60	.15
<b>Giant Prize, Snow Queen.</b> Pure white....	1.25	.60	.15
<b>Giant Prize, Striped and Mottled.</b> ....	1.25	.60	.15
<b>Giant Prize, White, with dark eye.</b> ....	1.25	.60	.15
<b>Giant Prize, Pure Yellow.</b> ....	1.25	.60	.15
<b>Giant Prize, Yellow, with dark eye.</b> ....	1.25	.60	.15

**SPECIAL OFFER.**—We will send 6 packets of any of the above varieties of Giant Pansies for 75c.; or the entire 12 pkts. for \$1.40.



Michell's Giant Exhibition Pansy

## PANSIES (Regular Sorts in Separate Colors)

Oz. Large pkt. Pkt.

<b>Belgian Striped.</b> Showy.....	\$2.25	\$0.40	\$0.10
<b>Emperor William.</b> Ultramarine blue....	2.25	.40	.10
<b>Faust (King of the Blacks).</b> ....	2.25	.40	.10
<b>Gold Margined.</b> Purple, golden edge....	2.25	.40	.10
<b>Havana Brown.</b> ....	2.25	.40	.10
<b>Lord Beaconsfield.</b> Violet....	2.25	.40	.10
<b>Mahogany Colored.</b> ....	2.25	.40	.10
<b>Silver Edged.</b> Purple, silver edge....	2.25	.40	.10
<b>Snow Queen.</b> Pure white....	2.25	.40	.10
<b>White, with dark eye.</b> ....	2.25	.40	.10
<b>Yellow Gem.</b> Pure yellow....	2.25	.40	.10
<b>Yellow, with dark eye.</b> ....	2.25	.40	.10

**SPECIAL OFFER.**—We will send 6 packets of any of the above varieties of regular sorts of Pansies for 50c.; or the entire 12 packets for 90c.

Ask for Cultural Leaflet No. 209 on the Growing of Pansies.

## PAPAVER (See Poppy)

### PENTSTEMON (Beard Tongue)

A beautiful perennial plant, producing freely large spikes of handsome tubular flowers.

Large pkt. Pkt.

<b>Sensation.</b> Large spikes of gloxinia-like flowers of brilliant colors; 2 feet; requires protection....	\$0.50	\$0.15
<b>New Hybrids, Mixed.</b> Produces large spikes of handsome flowers; 3 feet.....	.50	.10

## PHLOX (Hardy)

**Decussata.** Perennial plants 2 to 3 feet high; flowers in all bright colors; sow seeds late in fall and they will germinate in spring.....

$\frac{1}{4}$  oz., 75c. \$0.50 .10

## PINKS (See Carnation and Dianthus)

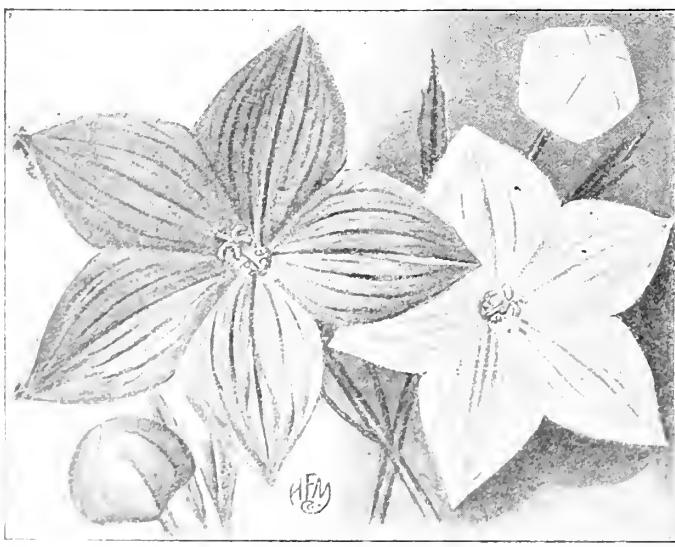
### PLATYCODON (Chinese Bell Flower)

One of the best hardy perennials; large bell-shaped flowers; excellent for borders or among shrubbery; 2 to 3 feet.

Large pkt. Pkt.

<b>Grandiflorum, Blue.</b> .....	\$0.40	\$0.10
<b>Grandiflorum, White.</b> .....	.40	.10

(ow)



Platycodon Grandiflorum

## POLYANTHUS (Primula Elatior)

Beautiful spring flowering hardy perennials. Large pkt. Pkt.		
<b>Gold Laced.</b>	Flowers of brilliant colors, with distinct yellow edge.....	\$0.60      \$0.15
<b>Double Mixed.</b>	Beautiful colors.....	.75      .15
<b>English Mixed.</b>	All colors.....	.60      .10



Oriental Poppy

## POPPY (Perennial)

These brilliant hardy Poppies are unequalled for general effectiveness and brilliancy of display. Large pkt. Pkt.		
<b>Giant Scarlet (Bracteatum).</b>	Large flowers; 3 feet...	\$0.25      \$0.10
<b>Iceland (Nudicaule).</b>	White; 1 foot.....	.40      .10
" " Yellow.....	.40	.10
" " Single Mixed.	A wide range of colors...	.40      .10
<b>Orientale.</b>	Extra large flowers; deep scarlet.....	.25      .10
" " Hybrids.	Beautiful flowers of large size; mixed colors.....	1/4 oz., 50c.      .40      .10

## PRIMULA FRINGED CHINESE PRIMROSE

These are among our finest winter and spring blooming pot plants for decorations in the home or conservatory. Our seed has been grown for us by a Primula Specialist, and cannot be excelled for size and brilliancy of colors. Our strains have won many first prizes. Large pkt. Pkt.

<b>Alba Magnifica.</b>	Large pure white flowers.....	\$0.85      \$0.40
<b>Chiswick Red.</b>	Brilliant red.....	.85      .40
<b>Duchess.</b>	Large white with zone of rosy carmine, yellow eye.....	.85      .40
<b>Holborn Blue.</b>	A beautiful shade.....	.85      .40
<b>Kermesina Splendens.</b>	Crimson.....	.85      .40
<b>Rosy Morn.</b>	Delicate pink.....	.85      .40
<b>Michell's Prize Mixture.</b>	This mixture contains only the finest sorts selected from the best strains.	.85      .25
<b>Imported Collection.</b>	8 varieties.....	.75

## PRIMULA OBCONICA GIGANTEA

A beautiful and continuous blooming variety with handsome spikes of flowers and pretty foliage; elegant plants for greenhouse or light window of dwelling house. Large pkt. Pkt.

<b>Alba.</b>	White.....	\$0.75      \$0.20
<b>Coerulea.</b>	Blue.....	.75      .20
<b>Kermesina.</b>	Crimson.....	.75      .20
<b>Lilacina.</b>	Pale lilac.....	.75      .20
<b>Rosea.</b>	Pink.....	.75      .20
<b>Hybrida.</b>	Mixed.....	.75      .20

## PRIMULA—Continued

### PRIMULA OBCONICA GIGANTEA MONSTER STRAIN

An extra large flowering strain of this popular Primula. Seeds are grown for us by a specialist.		
	Large pkt. Pkt.	
<b>Apple Blossom.</b>	Soft pink.....	\$1.25      \$0.40
<b>Kermesina.</b>	Deep crimson.....	1.25      .40
<b>Plathii.</b>	Brilliant deep rose.....	1.25      .40
<b>Rosea.</b>	Pink.....	1.25      .40
	Mixed Colors.....	1.25      .40

## PRIMULA OBCONICA GRANDIFLORA

Large pkt. Pkt.		
<b>Fimbriata.</b>	Flowers fringed; mixed colors.....	\$0.75      \$0.15
<b>Vesuvius.</b>	Deep crimson.....	.75      .25

## VARIOUS SORTS

<b>Kewensis (Verbena Scented Yellow Primrose)</b>	Spikes each 12 to 18 inches long; color, soft yellow; very fragrant.....	.75      .25
<b>Malacoides.</b>	Resembles Primula Forbesi, but the flowers are much larger; if grown in a greenhouse it will bloom in four to five months after sowing and continue for a long time; color, a pretty light lilac.....	.75      .20
<b>Malacoides Alba.</b>	Flowers pure white.....	.75      .20
<b>Malacoides Alba Plena.</b>	A new variety with double white flowers.....	.75
<b>Malacoides Superba</b>	Deep rosy pink; large.....	.40

## PUERARIA THUNBERGIANA (Kudzu Vine)

Large pkt. Pkt.		
One of the fastest growing hardy climbing plants; grows 8 to 10 feet the first year from seed; after the first year it will grow 30 to 50 feet in a season; rosy purple pea-shaped blossoms toward the end of August.....		\$0.25      \$0.10

## TESTIMONIAL

Rockford, Ill.

Wish to state that we have the finest Chinese Primroses in bloom from seed bought of you last year.

R. E. C.



Michell's Prize Chinese Primula

(ow)

## MICHELL'S "DISTINCTIVE" FLOWER SEEDS

**PYRETHRUM (Perennial)**

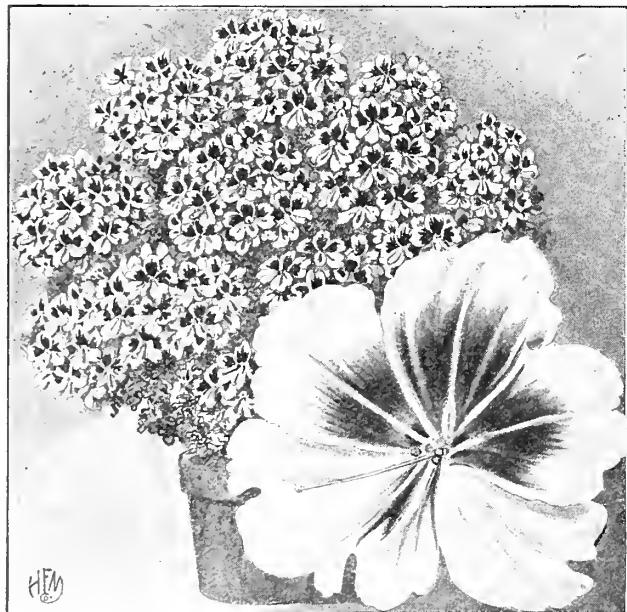
Handsome hardy perennial plants for the herbaceous border; flowers showy and excellent for cutting.	Large pkt.	Pkt.
<i>Roseum</i> . Flowers bright rose color; July; 2 feet	..\$0.60	..\$0.10
<i>Uliginosum</i> ( <i>Giant White Daisy</i> ). Large, single white flowers; September; 3 to 4 ft.	.60	.10
<i>Hybridum Single Mixed</i> . Large flowers ranging in color from light pink to deep red, with bright yellow centers; July; 2 feet	.50	.10
<i>Hybridum Double Mixed</i> .....	.75	.25

**RESEDA. See Mignonette****ROCK CRESS. See Arabis****RUDBECKIA (Coneflower)**

<i>Newmani</i> . Large yellow flowers with black centre; perennial; very showy; 3 feet	.50	.10
<i>Purpurea</i> ( <i>Giant Purple Coneflower</i> ). Hardy perennial; reddish purple flowers, with dark brown disc; 3 feet	.40	.10

**SCABIOSA**

Handsome perennial border plants, flowering the entire season.	Large pkt.	Pkt.
<i>Caucasica</i> . Soft blue; 3 feet	..\$0.60	..\$0.10
<i>Caucasica Alba</i> . Pure white	.60	.10
<i>Japonica</i> . Lavender blue	.25	.10



Schizanthus, Wisetonensis

**SCHIZANTHUS (Butterfly Flower)**

One of our finest annuals, bearing a profusion of pretty butterfly-like flowers of various colors; useful as pot plants for late winter and spring blooming; for this purpose sow in autumn.

Large pkt. Pkt.

<i>Garraway's Hybrids</i> . Flowers large, with handsome markings on a white, buff, rose, blue or purple ground.	..\$0.75	..\$0.25
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<i>Hybridus Grandiflorus</i> . Compact plants, with flowers of many shades and of orchid-like appearance; 12 inches	.30	.10
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<i>Pink Beauty</i> . A beautiful shade of rose pink	.30	.10
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<i>Wisetonensis</i> . A showy variety, largely used as a pot plant for the house or conservatory; flowers range from white with yellow centre to pink with brown centre, 1 1/2 feet	.50	.20
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<i>Mixed</i> . Various colors	.25	.05
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**SHAMROCK**

Dainty little house plants, easily grown from seed.		
<i>True Irish</i> . Small leaved variety	.30	.10

**SHASTA DAISY. See Chrysanthemum****SMILAX**

Large pkt. Pkt.

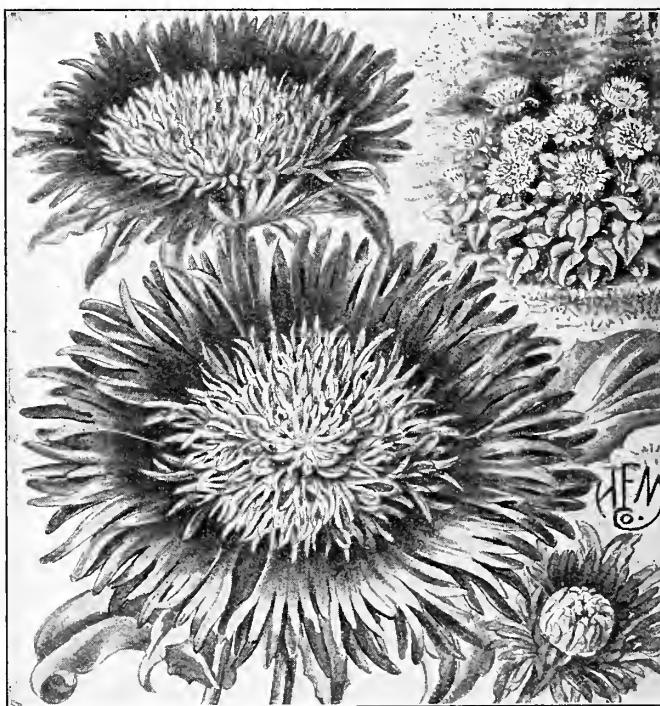
A desirable greenhouse climber of great value for floral decorations; seed should be soaked 24 hours in warm water before sowing..... oz., 50c. \$0.25 \$0.10

**SNAPDRAGON. See Antirrhinum****STATICE (Sea Lavender)**

*Latifolia*. Splendid hardy perennial, either for the border or rockery, producing all summer, panicles of deep blue flowers, which can be dried and used for winter bouquets; 1 foot..... .40 .10

**STEVIA**

*Serrata*. Free blooming plants for summer or winter, bearing a profusion of fragrant white flowers; excellent for cutting; 2 feet..... .40 .10

**STOCKS. See next page**

Stokesia Cyanea

**STOKESIA (Cornflower or Stokes' Aster)**

A very desirable hardy perennial plant, bearing freely from July to October handsome Centaurea-like blossoms, each measuring from 4 to 5 inches across; excellent for cutting; 1 1/2 to 2 feet.

Large pkt. Pkt.

<i>Cyanea</i> . Lavender blue	..\$0.40	..\$0.10
" <i>Alba</i> . Pure white	.50	.10

**SUNFLOWER (Helianthus)**

Showy garden flowers blooming all summer.

<i>Choice Mixed</i> . Contains the finest single flowering, hardy perennial sorts	.....	.50	.10
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**TESTIMONIAL**

Lowell, Mass.

Enclosed find spring order for flower seeds and plants. I have had about 8 years success with your flower seeds and plants, so am sending you another order.

R. H. C.

# MICHELL'S "DISTINCTIVE" STOCKS

33

The stock is one of the most popular and highly prized of our cultivated flowers, either for the garden or for pot culture. The charming colors, delightful fragrance and free blooming character, have made them favorite plants for both summer and winter cultivation. The seeds we offer are hand-saved from pot-grown specimens and will produce a large percentage of double flowers.

## MICHELL'S FLOWER MARKET STOCK

This is the ideal stock for either garden, cutting or forcing under glass. Plants branch freely and produce from 10 to 15 heavy spikes of extra large perfect flowers; height, 2 feet.

	Large pkt.	Pkt.		Large pkt.	Pkt.
Blood Red	\$.50	.15	Rose Pink	\$.50	.15
Dark Blue	.50	.15	White	.50	.15
Flesh Pink	.50	.15	Mixed	.50	.15
Light Blue	.50	.15			

## MICHELL'S EARLY FLOWERING "NICE" STOCK

An early flowering strain of branching habit; remarkably free bloomer; large, double fragrant flowers; fine for garden bedding or cutting; especially desirable for use as a pot plant. For winter blooming, sow from July to September.

Large pkt. Pkt.

Abundance.	Dwarf, spreading habit; carmine-rose.	\$.50	.15
Beauty of Nice.	Charming delicate pink	.50	.15
Crimson King.	Deep red	.50	.15
La Brilliante.	Rich brilliant crimson	.50	.15
Midsummer Night.	Deep, dark violet	.50	.15
Monte Carlo.	Canary yellow	.50	.15
Mont Blanc.	Pure white	.50	.15
Old Rose.	An extra fine variety	.50	.15
Queen Alexandra.	Delicate lavender	.50	.15
Choice Mixed.	All colors	.50	.15

## LARGE FLOWERED DWARF TEN-WEEK STOCK

This is the leading variety for bedding out, for summer blooming; also fine for pots.

Large pkt. Pkt.

Blood Red	\$.40	.10	Purple	\$.40	.10
Crimson	.40	.10	White	.40	.10
Light Blue	.40	.10	Yellow	.40	.10
Pink	.40	.10	Mixed	.40	.10

## VARIOUS STOCKS

Large pkt. Pkt.

Dresden Perpetual.	A popular variety for cutting; large spikes; color, lustrous carmine	\$.50	.15
Princess Alice (Cut-and-Come-Again).	Branching plants with double pure white flowers; fine for cutting	.50	.10

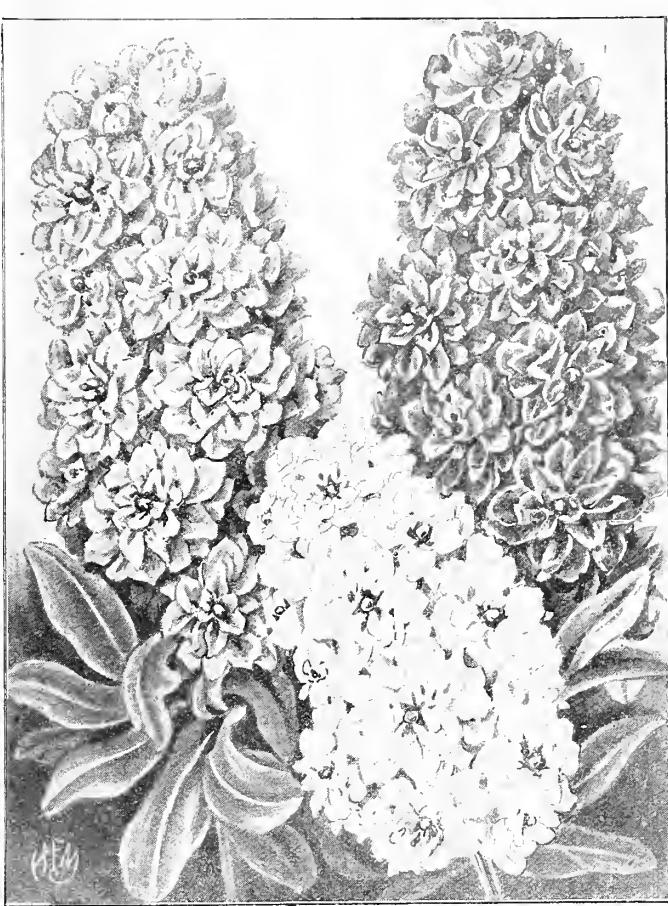
# MICHELL'S SWEET PEAS

For early blooming out-doors we recommend sowing seed the latter part of November and covering with 2 or 3 inches of leaves or litter; these will bloom the following year much earlier than spring-sown seed.

## SPENCER OR ORCHID VARIETIES

$\frac{1}{2}$  oz. Oz.  $\frac{1}{4}$  lb. Lb.

Apple Blossom Spencer.	Standard light rose; wings primrose flushed rose	\$.25	\$.40	\$1.25	\$4.00
Asta Ohn Spencer.	Rich lavender	.25	.40	1.25	4.00
Blanche Ferry Spencer.	Large flowers; pink and white	.25	.40	1.25	4.00
Captain of the Blues Spencer.	Standard purple; wings blue	.25	.40	1.25	4.00
Constance Hinton.	One of the largest varieties; flowers white; black seeded	.25	.40	1.25	4.00
Countess Spencer.	A lovely clear pink, shading deeper at the edge	.25	.40	1.25	4.00
Fiery Cross.	Intense orange scarlet	.25	.40	1.25	4.00
Flora Norton Spencer.	Beautiful azure, or pale blue	.25	.40	1.25	4.00
Florence Morse Spencer.	Delicate blush, with deeper pink margin	.25	.40	1.25	4.00
Florence Nightingale.	One of the largest and best lavenders	.25	.40	1.25	4.00
Helen Lewis.	Orange pink; wings orange salmon	.25	.40	1.25	4.00
Helen Pierce Spencer.	White mottled light blue	.25	.40	1.25	4.00



Stock, Michell's Flower Market

Ask for Cultural Leaflet No. 211 on the growing of Stocks.

	$\frac{1}{2}$ oz.	Oz.	$\frac{1}{4}$ lb.	Lb.
Henrietta.	Light rose pink on a cream ground			\$0.25 \$0.40 \$1.25 \$4.00
Hercules.	Giant pure pink			.25 .40 1.25 4.00
Illuminator.	Rich salmon pink			.25 .40 1.25 4.00
King Edward Spencer.	Crimson scarlet			.25 .40 1.25 4.00
King Manoel.	Rich maroon			.25 .40 1.25 4.00
King White.	Pure white			.25 .40 1.25 4.00
Liberty.	Large flowering crimson			.25 .40 1.25 4.00
Margaret Atlee.	Light salmon pink on cream ground			.25 .40 1.25 4.00
Mrs. Hugh Dickson.	Salmon pink on cream ground			.25 .40 1.25 4.00
Nora Unwin.	Large pure white			.25 .40 1.25 4.00
Othello Spencer.	Deep maroon			.25 .40 1.25 4.00
Primrose Spencer.	Primrose yellow			.25 .40 1.25 4.00
Royal Purple.	Rich purple			.25 .40 1.25 4.00
Vermilion Brilliant.	Intense scarlet			.25 .40 1.25 4.00
Wedgwood.	A lovely self-blue			.25 .40 1.25 4.00
White Spencer.	Pure white; large size			.25 .40 1.25 4.00

Price, any of the above varieties, 10c. per packet.

## MICHELL'S SUPERB SPENCER MIXTURE

Blended by ourselves from only the Giant Waved Spencer varieties in proper proportions of bright colors and including a number of new hybrids of exquisite colors and shades. Per pkt., 10c.; 25c. per oz.;  $\frac{1}{4}$  lb., 75c.; \$2.50 per lb.

(ow)

# MICHELL'S SWEET PEAS

## GRANDIFLORA VARIETIES

On account of the increased demand for the Spencer or Orchid Flowered varieties we have reduced our list of Grandifloras to a few of the very best sorts.

	Oz.	1/4 lb.	Lb.
Blanche Ferry. Pink and white.....	\$0.15	\$0.50	\$1.75
Dorothy Eckford. Large white.....	.15	.50	1.75
Flora Norton. Delicate lavender.....	.15	.50	1.75
Hon. Mrs. E. Kenyon. Primrose yellow.....	.15	.50	1.75
King Edward VII. Crimson scarlet.....	.15	.50	1.75
Lady Grisel Hamilton. Pale lavender .....	.15	.50	1.75
Lord Nelson. Rich navy blue.....	.15	.50	1.75
Lovely. Soft shell pink.....	.15	.50	1.75
Miss Wilmott. Deep orange pink.....	.15	.50	1.75
Othello. Dark maroon.....	.15	.50	1.75
Prima Donna. Lovely soft pink.....	.15	.50	1.75

Price, any of the above varieties, 10c. per packet.

## MICHELL'S GILT EDGE MIXTURE

This mixture contains the Grandiflora varieties, and represents almost every color and shade in Sweet Peas.

Price: 5c. per pkt.; per oz., 15c.; 50c. per 1/4 lb.; per lb., \$1.50.

## EARLY OR WINTER FLOWERING SPENCER SWEET PEAS

The following varieties are especially adapted for forcing under glass for winter and early spring blooming. Also excellent for sowing outdoors in the Southern States.

### NEWER VARIETIES

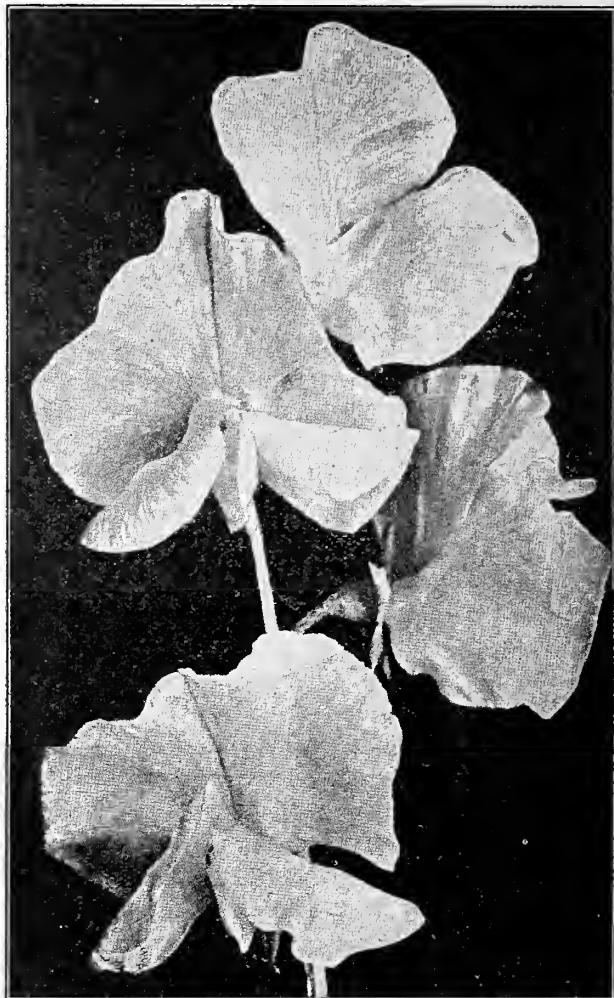
The following varieties but recently introduced have proven to be a great improvement in the Winter Flowering Spencer Sweet Peas. They are of special merit as regards size and form of flowers and length of stem.

Pkt. 1/2 oz. Oz.

<b>Burpee's Orange.</b> Finest clear glistening orange; flowers of largest size and produced in threes and fours on long stems.....	\$0.25	\$1.75	\$3.00
<b>Miss Louise Gude.</b> Large flowering; color, shell pink.....	.15	.90	1.50
<b>Mrs. Kerr.</b> Flowers of immense size; color, a pleasing shade of rich salmon, overlaid with a soft tinge of orange.....	.15	.90	1.50
<b>Mrs. Warren G. Harding.</b> A deep shade of silvery blue; of immense size and beautifully waved.....	.15	.90	1.50
<b>Princess.</b> Flowers large; color, a lovely shade of soft lavender suffused mauve; nicely waved.....	.15	.75	1.25
<b>White Star.</b> An extra fine black-seeded, pure white variety; flowers of enormous size, produced in fours and well waved.....	.15	.90	1.50

### GENERAL LIST

	Pkt.	1/2 oz.	Oz.
<b>Asta Ohn.</b> Rich lavender .....	\$0.15	\$0.60	\$1.00
<b>Aviator.</b> Dazzling crimson scarlet.....	.15	.60	1.00
<b>Blue Bird.</b> A charming shade of blue.....	.15	.60	1.00
<b>Bohemian Girl.</b> Flower large; color a beautiful deep pink.....	.15	.60	1.00
<b>Cherry Ripe.</b> Cherry or salmon cerise.....	.15	.60	1.00
<b>Columbia.</b> Salmon color standard; white wings.....	.15	.75	1.25
<b>Enchantress.</b> Bright rose pink.....	.15	.60	1.00
<b>Fire King.</b> Deep orange scarlet.....	.15	.60	1.00
<b>Glitters (Early Royal Scot).</b> Standard fiery orange; wings deep orange.....	.15	.75	1.25
<b>Heatherbell.</b> Mauve lavender.....	.15	.60	1.00
<b>Lavender King.</b> Rich, deep lavender.....	.15	.60	1.00
<b>Mauve Beauty.</b> Rosy mauve.....	.15	.60	1.00
<b>Meadow Lark.</b> Rich cream.....	.15	.60	1.00
<b>Melody.</b> Rose pink on white ground.....	.15	.60	1.00
<b>Mrs. A. A. Skaach.</b> Clear, light pink .....	.15	.60	1.00



Winter Flowering Spencer or Orchid Sweet Pea

	Pkt.	1/2 oz.	Oz.
<b>Mrs. M. Spanolin.</b> Pure white.....	\$0.15	\$0.60	\$1.00
<b>Othello.</b> Flowers large; beautiful maroon ..	.15	.60	1.00
<b>Pink Beauty.</b> Rose pink on white ground....	.15	.60	1.00
<b>Primrose Beauty.</b> Deep primrose, flushed rose.....	.15	.60	1.00
<b>Rose Queen.</b> Flowers are borne freely on long stems, are of large size, and usually four flowers are produced on a stem. Color a most attractive shade of pink.....	1/4 oz.	\$1.25	.50
<b>Snow Flake.</b> Large pure white.....	.15	.60	1.00
<b>Snowstorm.</b> White; extra large.....	.15	.60	1.00
<b>True Blue.</b> A charming blue self; flowers large and well waved.....	.15	.75	1.25
<b>White Orchid.</b> Pure white.....	.15	.60	1.00
<b>Yarrawa.</b> Flowers exquisitely waved, and of large size, many of them being duplex or double. Color, a pleasing shade of bright rose pink with lighter wings.....	.15	.60	1.00
<b>Zvolanek's Rose.</b> Extra large; rose pink ..	.15	.90	1.50
<b>Mixed Colors.</b> Winter Flowering Spencer ..	.10	.40	.75

### NITROGEN-GATHERING BACTERIA

An ideal preparation for treating Sweet Pea Seed when planting. Makes larger and more flowers, longer stems; prolongs the blooming period.

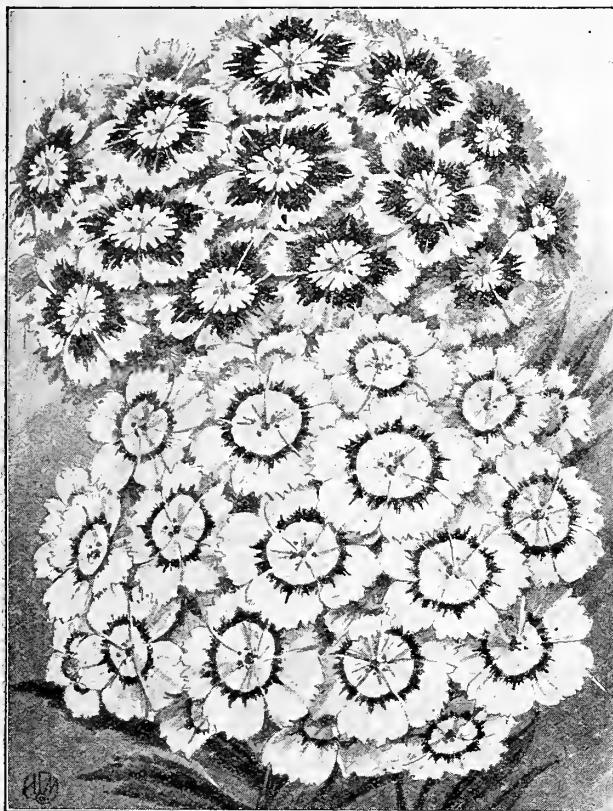
**Farmogerm.** Trial size, 50c.

**Mulford Culture.** Trial size, 35c.

## SWEET ROCKET (*Hesperis*)

Excellent for naturalizing among shrubbery or for planting in a permanent border. Large pkt. Pkt.

**Mixed.** Fragrant white and purple flowers; hardy perennial; 2 to 3 feet.....oz., 50c. \$0.25 \$0.05



*Single Sweet William*

## SWEET WILLIAM (*Dianthus Barbatus*)

One of the finest hardy garden plants; of easy culture, thriving in any good garden soil and lasting for years. The plants grow about 1½ feet high, and form fine clumps; produces fine effects in beds and shrubbery.

Large pkt. Pkt.

<b>Auricula Flowered.</b> A beautiful class of "eyed" single varieties; all colors mixed.....	oz., 90c.	\$0.25	\$0.10
<b>Single Crimson.</b> .....oz., 75c.	.25	.10	
" <b>Pink Beauty.</b> Salmon pink.....	.50	.15	
" <b>Scarlet Beauty.</b> Deep scarlet.....	.50	.15	
" <b>Velvety Maroon.</b> .....oz., 75c.	.25	.10	
" <b>White.</b> .....oz., 75c.	.25	.10	
" <b>Mixed.</b> All colors.....oz., 50c.	.25	.05	
<b>Double Mixed.</b> .....oz., 90c.	.25	.10	

## VALERIANA (Garden Heliotrope)

Hardy perennial border plants; large fragrant flowers, the odor resembling that of the heliotrope; 2 to 3 feet.

Large pkt. Pkt.

**Mixed Colors.** .....\$0.25 \$0.10

## VERONICA (Speedwell)

An elegant hardy perennial plant of easy culture and free-flowering habit; of value as a cut flower or for garden effect. Plants grow bushy and produce long spikes of flowers.

Large pkt. Pkt.

**Spicata.** Long spikes of bright blue flowers; 18 inches.....\$0.40 \$0.10

## VIOLA CORNUTA (Tufted Pansies)

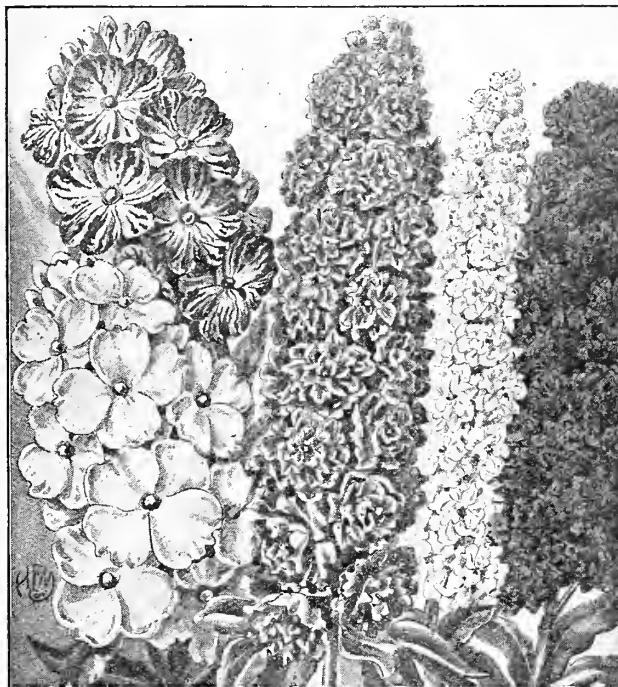
These resemble pansies in shape and form, with the additional quality that they are of long stems, and appear uninterruptedly from early spring till snow flies. Large pkt. Pkt.

<b>Admiration.</b> Dark blue.....	\$0.60	\$0.10
<b>Mauve Queen.</b> Lovely mauve color.....	.60	.10
<b>Perfection.</b> Light blue.....	.60	.10
<b>White Perfection.</b> Large white.....	.60	.10
<b>Mixed.</b> All colors.....	.50	.10

## VIOLA (Scotch Bedding Pansies)

These are very free flowering and cannot be surpassed for bedding purposes; produce larger flowers than the *Viola Cornuta*. Large pkt. Pkt.

<b>Golden Gem.</b> Yellow.....	\$0.60	\$0.15
<b>Lutea Splendens.</b> Rich golden yellow.....	.60	.10
<b>Snowflake.</b> Pure white.....	.60	.15
<b>Mixed.</b> From the best named Scotch varieties.....	.60	.25



*Wallflowers, Single and Double*

## WALLFLOWER

Half-hardy perennials of delicious fragrance. They should be protected in a cold frame in the winter and planted out in the spring; splendid for cutting; 2 feet. Large pkt. Pkt.

<b>Double Brown.</b> .....oz., 40c.	.25	.05
" <b>Yellow.</b> .....oz., 40c.	.60	.10
" <b>Mixed.</b> All colors.....oz., 40c.	.60	.10

<b>Single Mixed.</b> .....oz., 40c.	.25	.05
<b>Imported Collection.</b> 6 double varieties.....		.50

<b>Imported Collection.</b> 6 single varieties.....		.40
<b>Paris Extra Early.</b> A single-flowering variety, which may be treated as an annual, flowering the first year from seed; 1½ feet.		

Large pkt. Pkt.

**Paris Extra Early Blood Red.** .....\$0.25 \$0.10

**Paris Extra Early Yellow.** .....\$0.25 \$0.10

**Paris Extra Early Mixed.** All colors.....oz., 60c. .25 .10

## PERENNIAL FLOWER GARDEN MIXTURE

To create an old-fashioned wild garden or to naturalize along roads or woods we highly recommend this mixture, as it contains a large number of varieties of the choicest old-fashioned flowers. Pkt., 10c.; 40c. per oz.; per ¼ lb., \$1.25.

# MICHELL'S CONSERVATORY AND GREENHOUSE PLANTS

Our extensive trade, particularly with gentlemen's country estates, has made it necessary for us to give this department special attention. We have arranged with well-known specialists in this line to supply us extra well grown, clean stock. We also can procure any other plants not mentioned on this list. Kindly submit us a list of your requirements and we will be pleased to quote you.

## ASPARAGUS

*Plumosus Nanus* (*Asparagus Fern*). Highly desirable for fern dishes, bouquet greens, garlands, etc. 3-inch pots, 25c. each; 4-inch pots, 50c. each.

*Sprengeri*. Adapted principally for hanging baskets. 3-inch pots, 25c. each; 4-inch pots, 50c. each.



*Michell's Giant Show Cyclamen*

## CYCLAMEN PLANTS

Splendid for blooming indoors during the winter, requiring a moderately cool temperature.

	Each	Doz.
4-inch Pot Plants	\$1.00	\$10.00
5-inch Pot Plants	2.00	20.00

## FERNS

The varieties we offer here are the best of their class and all are good house plants.

*Nephrolepis, Scotti*. An old favorite; dwarf and bushy.

*Nephrolepis, Teddy, Jr.* A dwarf form of the Roosevelt fern; very bushy.

*Nephrolepis, Verona*. One of the lace ferns; the best of its type. Either of above Ferns, 4-inch pots, 75c. each; 6-inch pots, \$2.00 each; 8-inch pots, \$4.00 each.

## FERNS FOR FERN DISHES, Etc.

We are always able to furnish a large selection of these in the leading varieties, in 2½-inch pots, 15c. each; doz., \$1.50; \$10.00 per 100.

## FICUS (Rubber Plant)

*Elastica*. The old-fashioned variety. 4-inch pots, 75c. each; 6-inch pots, \$2.00 each.

## GENISTA RACEMOSA

A large stock of well-grown plants. 4-inch pots, \$1.00 each; 5-inch pots, \$1.50 each.

## GERANIUM "HELEN MICHELL"

Positively, without any exception, the best scarlet bedding geranium in cultivation. Orders booked now for delivery during December and the following months. Strong 2½-inch Pot Plants, \$2.00 per doz.; per 100, \$12.00.

## MICHELL'S HYDRANGEAS (For Forcing)

Private gardeners and others with greenhouses will find hydrangeas splendid as winter flowering pot plants, and for Easter. Plants of Hydrangeas placed in a moderate greenhouse temperature may be forced at will and are beautiful indeed. Our list embraces the best sorts. The Otaksa variety is planted outdoors extensively for summer bloom, but we do not recommend setting them out in the autumn.

**Special Note.**—Blue is a color that is not fixed in Hydrangeas. It is controlled sometimes by climatic, and other times by soil conditions. We cannot supply blue flowering Hydrangeas.

**Baby Bimbinet**. Silvery rose. **Louis Moulliere**. Deep rose. **General de Vibraye**. Bright pink. **Otaksa**. Rose pink.

**La Perle**. White fringed. **Radiant**. Rosy carmine.

**Trophee**. Brilliant carmine.

	Each	Doz.	100
2½-inch Pot Plants	\$0.25	\$2.50	\$15.00
4-inch Pot Plants	.60	6.00	....
6-inch Pot Plants	1.25	12.00	....

## PALMS

*Areca Lutescens*. One of the most graceful Palms grown, having bright green foliage with yellow stems. 6-inch pot plants, \$2.00 each.

*Kentia Belmoreana*. The hardiest palm in cultivation; of slow growth, and less affected by the dust and dry atmosphere of the house than any other.

*Kentia Forsteriana*. This splendid variety is very similar to *K. Belmoreana*, but of stronger growth, with broader, heavier foliage.

Price, for either above Kentias.

4-inch pots, \$1.00 each. 5-inch pots, \$2.00 each.

6-inch pots, \$3.00 each. 6-inch pots, heavy, \$4.00 each.

7-inch tubs, heavy, \$10.00 each.

## PANDANUS

We highly recommend this plant where a good many varieties of other decorative plants will not do. They will thrive even in dark places such as reception halls, living rooms, etc.

*Veitchi*. Highly colored plants.

4-inch pots, \$1.50 each. 6-inch pots, \$2.50 each.

7-inch pots, \$5.00 each.

## POINSETTIAS

The true red variety. Stock of the highest quality.

3-inch pots, 50c. each. 4-inch pots, 75c. each.

## SEEDLINGS

Many gardeners prefer to purchase their supply of these instead of growing them and for those we have produced a fine lot of the following:

*Pansies*. Michell's Giant Exhibition Strain.

*Bellis*. *Monstrosa*. Giant English Daisy, in pink and white, each separate.

*Myosotis (Forget-me-not)*. *Alpestris Victoria*.

Any of the above can be supplied in not less than 100 of a kind. \$1.50 per 100; per 1000, \$10.00.

## VIOLETS

These extra fine plants will flower freely under glass in winter or in cold frames and outdoors in the early spring.

*Princess of Wales*. Single blue. Extra large plants, 35c. each (by mail, 40c.); \$3.50 per doz.; per 100, \$22.50.

# MICHELL'S DORMANT FIELD-GROWN ROSES FOR FALL PLANTING

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Many of the most successful Rose growers prefer planting their Roses in the Autumn. We are now booking orders for strong, two year old Field-Grown budded plants, which will be ready for shipment just as soon as they are properly ripened by frost, which is usually late in October or early in November. Plants shipped in the dormant state take up but very little room and they may be safely shipped by parcel post. If there is danger of the ground freezing before the arrival of the plants, the space where you wish to plant them may be protected by a covering of leaves or other loose litter. When the plants arrive, plant them so that the bud is covered with at least one inch of soil; then make a mound of earth around the base of the plant about twelve inches high; by doing this all of the buds on the lower end of the branches are covered with soil; this covering protects them from the alternate freezing and thawing, which is so injurious. Early in the Spring, before growth starts—but after danger of severe frost is over, this covering of earth should be removed and the plants pruned.

## HARDY HYBRID TEA ROSES

**Betty.** Color, coppery rose overspread with golden yellow. An excellent Autumn blooming variety.

**Columbia.** A most pleasing shade of rose-pink, delightfully fragrant.

**Duchess of Wellington.** Intense saffron yellow changing to coppery yellow.

**Edward Mawley.** A splendid rose, producing freely dark crimson flowers, which are very fragrant.

**Etoile de France.** Color, vivid crimson with darker shadings; very double, of good size and deliciously fragrant.

**Francis Scott Key.** A glorious rose for the garden. A strong grower, producing large, perfectly formed and fragrant flowers, deep red in color.

**Gen. MacArthur.** The blooms are large and very fragrant; color, rich crimson scarlet. For a bedding rose we recommend Gen. MacArthur.

**Gruss an Teplitz.** This is a rose for everybody, being the most profuse blooming crimson rose in existence. The color is of the richest scarlet, shading to a velvety crimson; very fragrant.

**H. V. Machin.** Its intensely black-grained, scarlet-crimson blooms are carried on rigid flower-stalks of sturdy, erect growth embellished with ideal, glaucous, beech-green foliage. Has been awarded several medals.

**Jonkheer J. L. Mock.** Bright cherry red on the outside of the petals and shining silvery white on the inside.

**Kaiserin Augusta Victoria.** Flowers large and very fragrant. Pearly white, tinted with lemon.

**Killarney.** The buds are long and pointed; color, sparkling brilliant pink, deliciously fragrant.

**Lady Alice Stanley.** A rose that is admired by everyone, not only for its freedom of bloom and fragrance, but also for its color, which is a beautiful shade of coral-rose on the outside of the petals with purple flesh on the inside.

**Lady Ashtown.** Extremely beautiful flowers of pale carmine-pink, shading to golden yellow at the base of the petals. The blooms are large, globular, and well formed, rather higher in the center than at the edge. Excellent for garden or greenhouse and a profuse bloomer all season until frost.

**La France.** One of the finest Hybrid Tea Roses. Color, bright pink on the outside of the petals and a lovely silvery pink on the inside.

**Los Angeles.** A luminous flame pink toned with coral and shaded with translucent gold at the base of the petals. In fragrance it is equal in intensity to the finest Marechal Neil. The buds are long, pointed and extend into a flower of mammoth proportions.

**Mme. Butterfly.** While this is a sport of Ophelia, it shows an even better growth, with more and larger flowers, in a brilliant pink, suffused apricot and gold. These flowers are in the ideal Rose form, of good texture and fragrance, and are unusually enduring. The plant is free and fine in growth and habit; among the very best of all.

**Mme. Caroline Testout.** Bright satiny rose with brighter center; free flowering and fragrant.

**Mme. Edouard Herriot.** This is the celebrated "Daily Mail" rose. In color it is coral red, shaded with yellow and bright rosy scarlet, with yellow at the base.

**Mme. Ravary.** Fine oval-shaped, golden yellow buds, opening to very large, fairly full, orange yellow flowers; exceedingly free-flowering and hardy.

**Mrs. Aaron Ward.** The color is a distinct Indian yellow which under certain conditions becomes yellow tinted white. A favorite everywhere.

**Ophelia.** The flowers held erect on long stems are of perfect form, and of a pleasing shade of light salmon flesh shading to pale yellow at the base of the petals.

**Radiance.** A Rose of American origin and to our mind one of the very best varieties in cultivation today. It is an ideal bedder, producing large flowers throughout the Summer when many other varieties are out of bloom; color, a beautiful even shade of pink. This Rose should be in every garden.

**Red Radiance.** A bright, cheerful and even shade of cerise-red. In size, foliage and growth an exact duplicate of its parent Radiance. A valuable addition to our list of bedding roses.

**White Killarney.** A pure white sport of Killarney and equally as beautiful.

Price, any of the above, \$1.00 each; per 100, \$90.00.

## HARDY HYBRID PERPETUAL ROSES

**Frau Karl Druschki.** This is the queen of all white roses both in size and purity. The flower is very double and opens to a pure snow white.

**Gen. Jacqueminot.** The old favorite "Jack" rose is still popular. The blooms are large, full and globular; color, brilliant scarlet crimson, with deep veining toward the base of the petals.

**Magna Charta.** An old variety of great merit. The blooms are of large size; color, bright pink suffused with carmine.

**Mrs. John Laing.** Soft pink of beautiful form; exceedingly fragrant and remarkably free-flowering.

**Paul Neyron.** Flowers of extra large size; color, clear pink shading to soft rose and having a delightful fragrance.

**Ulrich Brunner.** Extra large flowers of a bright cherry red. A strong grower and free bloomer.

Price, any of the above, \$1.00 each; per 100, \$90.00.

## HARDY CLIMBING AND RAMBLER ROSES

**American Pillar.** The large single flowers are a lovely shade of cherry pink, with a clear white eye surrounding numerous golden yellow stamens.

**Aviateur Bleriot (The New Yellow Rambler).** A strong grower with large clusters of flowers of a saffron yellow, almost golden yellow in the center. \$1.00 each.

**Christine Wright.** A beautiful rose of strong climbing habit, producing large double flowers of a wild rose pink.

**Climbing American Beauty.** Bright self colored, medium pink flowers of moderate size. Splendid glossy foliage.

**Dr. W. Van Fleet.** One of the most important climbing roses, having perfectly formed buds, long and pointed, deep pink in color and very solid. Fragrant and fine for cutting.

**Dorothy Perkins.** Beautiful shell pink; fragrant and full, blooming in clusters in June. One of the most popular varieties.

**Excelsa.** Equally as free flowering as the Crimson Rambler, but without the unsatisfactory foliage. Really the best double red rambler.

**Hiawatha.** Brilliant ruby carmine with a clear white eye and a mass of golden stamens.

**Pauls Scarlet Climber.** No other rose in any class can compare with it for brilliancy of color, which is a vivid scarlet that is maintained without burning or bleaching until the petals fall. The flowers are of medium size, semi-double, very freely produced in clusters of from three to six flowers each on much branched canes, the plants being literally covered with flowers from top to bottom. It is of strong climbing habit and perfectly hardy.

**Silver Moon.** Long, well shaped buds, opening into immense Clematis like flowers of a waxy whiteness.

**Tausendschoen.** The flowers are of a most elegant and graceful form. Color, a most delicate shade of soft pink, changing to carmine on the reverse of the petals when fully expanded.

**White Dorothy.** A handsome pure white sport from the old favorite Dorothy Perkins and it has all of the finer qualities found in that charming variety.

Price. Strong plants of any of the above Climbing Roses (except where noted), 75c. each; per 100, \$60.00.

# MICHELL'S HARDY PERENNIAL PLANTS

Year by year these old fashioned hardy flowers are gaining favor and deservedly so, as there is not a time during the whole flowering season when some variety is not in bloom; they are especially valuable during the late Summer and Autumn, when there are but few shrubs in bloom. From early April they continue with constant changing variety throughout the Summer and Fall, when they are stopped only by severe freezing weather. Hardy Perennials appear year after year, and as each variety has a fixed time for blooming, a selection can be made that will give flowers to cut from early Spring until late Fall. The most satisfactory arrangement is to plant them in a border, which can be made in front of a hedge, fence or wall, or in the open garden; the soil should be dug to a depth of 18 inches or two feet, pulverizing it thoroughly and working in a liberal quantity of well decomposed stable manure or other fertilizer. The plants should be placed in groups of three or more of one variety together, the taller growing sorts at the back, the medium heights in the center and the dwarf varieties in front; they should also be placed so as to have some flowers in all parts of the border at all times. This can be easily arranged by referring to our descriptions as to the time of flowering. Our book on "Hardy Perennials" is an instructive publication, and it can be had free on request. We offer here only such varieties as can be planted in the autumn.

All plants are forwarded on receipt of order unless instructed to the contrary, and are sent by Express, purchaser paying charges. We can forward small plants or small numbers of plants by Parcel Post, and if wanted sent in this way add 10 per cent. to value of order for postage to points east of the Mississippi River, and 20 per cent. to points west of the Mississippi River.

## SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply plants of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee plants and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipment.

### ACHILLEA (Millefoil or Yarrow)

*Eupatorium* (*Fern-leaved Yarrow*). Finely-cut foliage and brilliant yellow heads of flowers, lasting all summer; 4 to 5 feet. *Millefolium Cerise Queen* (*Rosy Milfoil*). Finely cut, deep green foliage; flowers cherry red in dense heads; 18 inches high. *Ptarmica Boule de Neige* (*Ball of Snow*). An improvement on The Pearl; the flowers, while not quite so large, are of more perfect form with fuller centres, making it appear purer in color. Price, 30c. each; doz., \$2.50; \$18.00 per 100.

### ACONITUM (Monkshood or Helmet Flower)

These varieties form bushy clumps; invaluable for planting under trees or in shady or semi-shady positions. *Fischeri*. A dwarf variety growing 18 inches high, with large, pale blue flowers in September and October. *Sparks' Variety*. The darkest blue of all; flowers in June; 3 feet. Price, 35c. each; doz., \$3.50; \$25.00 per 100.

### AGROSTEMMA (Rose Campion)

Stout, erect-growing plants with silvery foliage, which contrasts well with the showy flowers, produced during June and July. *Coronaria* (*Mullein Pink*). Bright rosy crimson; 2½ to 3 feet. *Coronaria Alba*. A pure white variety. Price, 30c. each; doz., \$2.50; \$15.00 per 100.

### ALYSSUM (Gold Dust or Basket of Gold)

*Saxatile Compactum*. An excellent low spreading plant for rockery or border, growing about 10 inches high and producing in May masses of golden yellow flowers. 30c. each; doz., \$2.50; \$18.00 per 100.

### ANCHUSA (Sea Bugloss)

*Italica*. "Dropmore Variety." Plants grow 4 feet high in pyramidal shape, branch freely and are loaded with bright blue Forget-me-not-like flowers in June; very showy and valuable. 30c. each; doz., \$3.00; \$17.50 per 100.

### AQUILEGIA (Columbine)

For spring blooming these are invaluable producing their graceful spurred flowers on stems rising 2 feet above their attractive foliage, during May and June. For rockery gardens, semi-shaded places, in hardy borders or in clumps, they are very effective.

*Michell's Long-spurred Hybrids*. This is the most admired type of Columbines. They have been produced from the strains of several famous hybridizers and are much superior to the usual grade. The plants are of strong, thrifty growth. The flowers of largest size vary in color through charming tones of cream, pink, lavender, blue, white, red, etc., hardly any two being exactly alike. We offer them in mixed colors only.

*Canadensis* (*Common American Columbine*). The native bright red and yellow variety and one of the brightest.

*Chrysanthia* (*Golden Columbine*). Bright yellow, long-spurred.

*Coerulea* (*Rocky Mountain Columbine*). Bright blue and white long-spurred flowers.

*Rose Queen*. A newer variety of a pleasing shade of delicate pink, long-spurred flowers.

*Vulgaris* (*Common European Columbine*). Violet blue.

Price of all Aquilegias, 30c. each; doz., \$2.50; \$18.00 per 100.

### ARABIS (Rock Cress)

*Alpina*. One of the most desirable of the very early spring-flowering plants that is especially adapted for edging and for the rock garden, but does equally well in the border, forming a dense carpet, completely covered with pure white flowers. Lasts for a long time in bloom. 30c. each; doz., \$2.50; \$15.00 per 100.

### ARMERIA (Sea Pink or Thrift)

Attractive dwarf plants that will succeed in any soil, forming evergreen tufts of bright green foliage, from which innumerable flowers appear in dense heads, on stiff, wiry stems, from 9 to 12 inches high. They flower more or less continuously from early spring until late in the fall. Very useful in the rockery.

*Laucheania Rosea*. Bright rose.

*Laucheania Alba*. White.

Price 30c. each; per doz., \$2.50; \$18.00 per 100.

### ARTEMISIA

A most useful class of plants either for the border or for filling in within the shrubbery; highly ornamental foliage. The varieties we offer stand cutting down to 5 or 6 inches when used in carpet bedding.

*Abrotanum* (*Old Man, or Southern-wood*). Dark green, finely cut foliage, with pleasant aromatic odor; 2 feet.

*Stelleriana* (*Old Woman*). Deeply-cut silvery foliage; much used in carpet bedding; 18 inches

Price, 30c. each; per doz., \$3.00; \$18.00 per 100.

### ARTEMISIA LACTIFLORA

A variety of great merit; flowers white, in much branched panicles; very fragrant; 4 ft.; Aug., Sept. Should be planted in fertile, moist soil. 35c. each; doz., \$3.50; \$18.00 per 100.

### ASCLEPIAS (Butterfly Weed)

*Tuberosa*. Very showy native plants about 3 feet high, producing their flowers of brilliant orange-scarlet during July and August. 25c. each; doz., \$2.50; \$15.00 per 100.

### DWARF ALPINE ASTERS

*Alpinus*. Indispensable for the rockery or edge of hardy borders; grows 6 to 10 inches high and bears large, showy bluish-purple flowers in May and June.

*Alpinus Albus*. Identical to the above, but with pure white flowers.

Price, 30c. each; doz., \$2.50; \$18.00 per 100.

### TWO NEW HARDY ASTERS

*Maggie Perry*. Very large flowers, about 2 inches in diameter, loosely arranged in large trusses of a pleasing shade of mauve. Entirely distinct from any other hardy Aster. 35c. each; per doz., \$3.50.

*Perry's White*. This is without doubt the finest white hardy aster yet introduced; it is a strong grower and during the early Autumn the many branches are literally covered with large flowers, about 2 inches in diameter. The flowers are pure white with golden center and when fully developed the center turns crimson, a striking combination. 35c. each; per doz., \$3.50.

**HARDY ASTERS**

Tall-flowering, stately plants, which may be used with splendid effect in borders or in clumps as specimens on lawns, in large groups or beds. They form the basis of a color scheme in a perennial border during the months of September and October, and last well into November. They thrive equally well in sun or partial shade. For cutting they are invaluable.

**FALL FLOWERING VARIETIES**

**Autumn Beauty.** An exquisite shade of light blue; very large flowers, commencing to bloom in the late summer and continuing almost up to frost time; height, about 4 feet.

**Glory of Colwall.** A splendid improvement on the variety Beauty of Colwall, with good-sized, nearly double, ageratum-blue flowers; remarkably free flowering; 2½ feet; September and October.

**Novi Belgii Climax.** Of strong, vigorous habit, 5 feet high; branched pyramidal-shaped flower stems; lavender-blue flowers. August-October.

**Roseum Superbum.** This is one of the best hardy Asters we have ever seen. Color, almost red; most profuse bloomer.

**Snowflake.** Very free bloomer; pure white; height, 2 ft.

**St. Egwin.** Densely branched, producing beautiful pink flowers; 3 feet; September.

Price, any of the above, 30c. each; doz., \$2.50; \$18.00 per 100.

**ASTILBE ARENDSSI**

This new type is the result of crossing *A. Davidi* with *A. Japonica Compacta*, *Astilboidea* and *Thunbergi*. The plants are of very vigorous growth, 2½ to 3½ feet high, producing many branched feathered heads of flowers in June and July. They prefer a half-shady, moist position in any ordinary garden soil.

**Ceres.** Delicate light rose-colored flowers, with silvery sheen.

**Salmon Queen.** Graceful panicles of a beautiful salmon pink.

**Vesta.** Very graceful plumes of light lilac-rose.

Price, any of the above, 50c. each; doz., \$5.00.

**BOCCONIA****(Plume Poppy, or Tree Celandine)**

**Cordata.** A noble, hardy perennial, beautiful in foliage and flower; admirably adapted for planting in the shrubbery borders, centre of beds and in bold groups in almost any position. It will grow in any soil or situation, attaining from 6 to 8 feet in height; flowers in terminal panicles, of a creamy-white color during July and August. 30c. each; doz., \$2.50; \$18.00 per 100.

**BOLTONIA (False Chamomile)**

Among the showiest of our native hardy perennial plants, with large, single, Aster-like flowers. The plants are in bloom during the summer and autumn months, and with its thousands of flowers open at one time, produces a very showy effect.

**Asteroides.** Pure white; very effective; 5 to 7 feet.

**Latisquama.** Pink, slightly tinged with lavender, 4 to 6 feet. Price, 30c. each; doz., \$2.50; \$18.00 per 100.

**CAMPANULA (Bell Flower)**

Showy perennial plants of special merit; some are tall, being suitable for borders; others are dwarf, for rockeries and edging. They delight in a good rich loam, preferring a semi-shaded place.

**Calycanthema (Cup and Saucer).** These are biennials, and last only one season, when planted in the autumn. Pink, white and blue, each color separate; height, 18 inches; June-July.

**Media (Old-fashioned Canterbury Bells).** This is a biennial type, like the Calycanthema, and will last only one season, when planted in the autumn. It flowers freely from June to August; 3 to 4 feet high. Blue, pink and white, in separate colors.

**Pyramidalis (Chimney Bell Flower).** The most conspicuous of all Campanulas, forming a perfect pyramid 4 to 6 feet high of porcelain blue flowers in August.

Any of the above, 30c. each; doz., \$2.50; \$18.00 per 100.

**HARDY BORDER CARNATIONS**

Choice mixed seedlings. We supply strong plants that will furnish an abundance of double flowers next season. 30c. each; doz., \$2.50; \$18.00 per 100.

**CENTAUREA (Hardheads or Knapweed)**

Of easy culture, delighting in an open, sunny position, producing a wealth of bloom, which not only makes a fine display in the border, but is excellent for cutting.

**Montana (Perennial Corn Flower).** Grows 2 feet high, bearing large violet blue flowers from July to September.

**Montana Alba.** A large white variety of the above.

Price, 30c. each; \$2.50 per doz.; per 100, \$18.00.

**CHRYSANTHEMUM (Shasta Daisy)**

**Shasta Daisy (Alaska).** A decided improvement on the original, with blooms 4½ to 5 inches across, of pure glistening white. Very free-flowering and in bloom all summer and fall. 30c. each; doz., \$2.50; \$15.00 per 100.

**SHRUBBY CLEMATIS**

**Recta.** Grows 2 to 3 feet high and produces fragrant pure white flowers in large clusters during June and July.

**Davidiiana.** A most desirable variety with fresh bright green foliage and bell-shaped, deep lavender blue flowers during August and September; very fragrant. 35c. each; doz., \$3.50.

**COREOPSIS**

**Lanceolata Grandiflora.** Flowers rich golden yellow and of graceful form; fine for cutting; dozens of flowers are produced on a single plant; June till October. 25c. each; doz., \$2.50; \$15.00 per 100.

**DELPHINIUMS OR HARDY LARKSPURS**

In order to keep Larkspurs in bloom continuously during the summer, cut the old flower stems off, after they have faded, and new shoots will produce flower heads in succession. To get the best out of hardy Larkspurs in the way of flowers, feed them occasionally during the growing season with an application of ground bone. A slight covering of long straw or leaves over the crowns of the plants during winter will prove a great benefit.

**Belladonna.** The freest and most continuous blooming of all, never being out of flower from the end of June until cut down by hard frost. The clear turquoise-blue of its flowers is not equalled for delicacy and beauty by any other flower.

**Bellamosum.** A dark blue form of Belladonna with which it is identical excepting in color, which is a rich deep blue.

**Michell's Gold Medal Hybrids.** Unquestionably the finest strain of mixed hybrids offered. The plants are of strong, vigorous habit, with large flowers on spikes two feet and over long, the majority running in the lighter shades of blue. We can supply them in mixture only.

Price, any of the above, 30c. each; doz., \$2.50; \$15.00 per 100.

**DIANTHUS (Garden Pinks)**

For edging hardy borders, garden walks, or planted in rock gardens, these fill an important place. They are at their height of bloom in June.

**Deltoides (Maiden Pink).** A continuous flowering variety with pink flowers. Especially suited for rock work.

**Deltoides Alba.** White flowers.

**Latifolius Atrococcineus Fl. Pl. (Ever-blooming Hybrid Sweet William).** A splendid variety with crimson, double flowers.

Any of the above, 30c. each; doz., \$2.50; per 100, \$15.00.

**DICTAMNUS (Gas Plant)**

A genus of very ornamental plants. The plant when rubbed emits a fine odor, something like that of lemon peel, which is strongest in the pedicels of the flowers. Valuable for cutting.

**Fraxinella.** Racemes of curious red flowers with decided balsamic scent. 2 to 2½ feet. May to July.

**Fraxinella albus.** Spikes of attractive pure white, sweet-scented flowers, valuable for cutting. 2 feet. May to July.

Price, 35c. each; doz., \$3.50; \$18.00 per 100.

**DIELYTRA OR DICENTRA****Bleeding Heart or Seal Flower**

**Spectabilis.** An old fashioned favorite, its long sprays of graceful heart shaped flowers are always attractive. A most satisfactory plant for the hardy border, especially when it can be planted in the shade. Strong clumps 50c. each; per doz., \$5.00.

**DIGITALIS (Foxglove)**

These will do well in semi-shaded spots; plants grow from 4 to 6 feet high; flower in June.

**Gloxinaeflora.** White, pink, purple, lilac, each separate. 25c. each; doz., \$2.50; per 100, \$15.00.

**ERYNGIUM (Sea Holly)**

**Amethystinum.** The finely-cut, spiny foliage and the beautiful thistle-like heads are of glistening amethystine-blue. 35c. each; doz., \$3.50.

**EUPATORIUM**

**Coelestinum.** A pretty hardy plant, with light blue flowers similar to the Ageratum. Blooms freely from August until frost; a splendid cut flower. 18 to 24 inches. 30c. each; doz., \$2.50; \$15.00 per 100.

# MICHELL'S HARDY PERENNIAL PLANTS

## HARDY FERNS

The graceful plants grow on an average from 1 to 2 feet high, according to the variety, and the clumps increase in size and beauty each year; they die down in winter and break forth again in May.

*Adiantum Pedatum* (*Maidenhair Fern*).  
*Aspidium Acrostichoides*. *Christmas Fern*.  
*Asplenium Filix Foemina* (*Lady Fern*).  
*Cystopteris Bulbifera* (*Bulblet Bladder Fern*).  
*Dicksonia Punctilobula* (*Gossamer Fern*).  
*Onoclea Struthiopteris*. *Ostrich Fern*.  
*Sensibilis*. *Sensitive Fern*.  
*Osmunda—Cinnamomea*. *Cinnamon Fern*.  
*Claytoniana*.

*Woodsia Illvensis*. Excellent for rock-work, requiring little soil and thriving best in the sunniest corner.  
 Price, any of above, 30c. each; doz., \$2.50; \$18.00 per 100.

## GAILLARDIA (Blanket Flower)

*Grandiflora*. Dark brown centre, surrounded with a rich orange disc; petals on the outer edge are yellow. 25c. each; doz., \$2.50; \$15.00 per 100.

## GRASSES (Hardy Ornamental)

The generous beautiful effect produced by the hardy Grasses is hard to describe. Plantings must be seen to be appreciated.

*Elymus Glaucus* (*Blue Lime Grass*). A graceful growing type with narrow, silvery blue foliage; a dwarf compact grower; height, 3 feet.

*Erianthus Ravennae* (*Plume Grass or Hardy Pampas*). Deep green, narrow foliage, growing about 10 feet high.

*Eulalia Gracillima Univittata* (*Japan Rush*). Graceful narrow foliage, growing 5 to 6 feet high. Green, with silvery rib.

*Eulalia Japonica Variegata*. An attractive variety with a variation of markings of white, green, sometimes light pink and yellow; 4 to 5 feet high.

*Eulalia Japonica*. Like the variegated variety, except that it is entirely green.

*Eulalia Japonica Zebrina*. Dark green foliage, crossmarked horizontally golden yellow. 4 to 5 feet.

*Phalaris Arundinacea Variegata* (*Variegated Ribbon Grass or Gardener's Garter*). This sort is especially suited for edging taller varieties, as it grows somewhat dwarf. The foliage is somewhat broad, variegated white and green. 12 to 15 inches.

*Pennisetum Japonicum* (*Hardy Fountain Grass*). One of the most valuable hardy grasses, either for beds, mixed borders or as individual specimens. Height, 4 feet.

Price of Hardy Grasses, 35c. each; doz., \$3.50; \$22.50 per 100.

## GYPSOPHILA (Baby's Breath)

During August and September this is a mass of delicate flowers, which, when cut and dried last for several months.

*Paniculata*. Feathery sprays of white flowers; useful for effects in bouquets. 30c. each; doz., \$2.50; \$15.00 per 100.

## HELENIUM (Sneezewort)

These desirable perennials succeed in almost any soil, in a sunny location. The flowers are splendid for cutting.

*Autumnale Rubrum*. Bright, terra-cotta red; 5 feet.

*Riverton Beauty*. Rich lemon-yellow, with large purplish-black cone; August and September; 4 feet.

Price. 30c. each; doz., \$2.50; \$18.00 per 100.

## HELIANTHEMUM (Sun Rose)

A very pretty family of evergreen plants, with flowers of the most brilliant colors. For dry sunny situations.

*Perry's Hybrids*. Mixed varieties, all colors; June to August. Height, 12 inches. 35c. each; doz., \$3.50; \$18.00 per 100.

## HELIANTHUS (Hardy Sunflower)

Very effective in borders, among shrubbery or as clumps on the lawn, etc. Produce masses of flowers during the summer and autumn; splendid for cutting.

*Maximiliana*. The latest of all, blooming profusely in October; the fine golden yellow flowers appear in long graceful sprays; splendid for cutting; 5 to 7 feet.

*Multiflorus Fl. Pl.* Double golden yellow; July-August; 4 feet.

*Rigidus Japonicus*. One of the most desirable varieties, beginning to bloom early in July and continuing until fall. flowers golden-yellow, with dark centres; 5 feet.

Price, 30c. each; doz., \$2.50; \$18.00 per 100.

## HELIOPSIS (Orange Sunflower)

This genus is very similar to the *Helianthus*. They are tall-growing plants, well suited for the back of flower borders.

*Pitcheriana*. One of the best hardy plants for the perennial border; especially valuable for cutting. Daisy-shaped flowers of deep orange color; 2 to 3 feet.

*Scabra Excelsa*. Rich chrome-yellow flowers, turning to a bright yellow as they mature; these are almost double and are produced very profusely. The plant is of robust growth, about 3 feet high. Mid-July to the end of August.

Price, 30c. each; doz., \$2.50; \$18.00 per 100.

## HEMEROCALLIS (Yellow Day Lily)

Lily-like plants, flowering in great profusion during the summer, making a fine cut bloom.

*Aurantiaca*. Large, trumpet-shaped, orange yellow flowers; reverse of petals bright Indian yellow; sweet scented. 30c. each; doz., \$3.00; \$20.00 per 100.

*Fulva* (*Tawny Day Lily*). Trumpet shaped flowers; coppery orange shaded crimson; June and July.

*Kwanso Flore Pleno* (*Double*). Coppery red; July; 3 feet high.

Price, of above, except where noted, 30c. each; doz., \$2.50; \$15.00 per 100.

## HIBISCUS (Mallow)

*Giant Flowering*. A wonderfully improved form of our greatly admired Marsh Mallows. They attain a height of 6 to 7 feet, have beautiful laciniate foliage and monstrous flowers, measuring from 6 to 8 inches in diameter. We offer these in mixed colors only. 35c. each; doz., \$3.50; \$25.00 per 100.

## HOLLYHOCKS (Double)

These thrive best in soil that is not too wet, which should be enriched with well-rotted stable or sheep manure. While perfectly hardy, we recommend protecting them slightly during the winter with leaves, long manure or straw. To guard against fungus or rust we recommend spraying the plants in early spring with Pyrox or Bordeaux Mixture.

Our strain of these is very fine, and we offer the following colors in double flowering only (each separate):

*Yellow, Crimson, Pink, White*. 30c. each; doz., \$2.50; \$18.00 per 100.

## IBERIS (Hardy Candytuft)

Low-growing plants with evergreen foliage. In spring and early summer they are completely covered with dense heads of pure white flowers.

*Sempervirens*. Pure white flowers; 1 foot. 30c. each; doz., \$2.50; \$18.00 per 100.

## IRIS INTERREGNA

An entirely distinct type, being a cross between a German Iris and Iris *Pumila*. It is medium early to bloom, flowering in between Iris *Pumila* and Iris *Germanica*. Plants grow about 18 inches high and are surmounted with large flower heads, on spikes, which grow well above the foliage, appearing in May.

*Ceres*. Standards and fall pearl white, orange beard.

*Walhalla*. Standards light blue, violet blue falls, yellow beard.

*Fritjof*. Purple shaded lavender; 20 inches high.

Price of the above, 30c. each; doz., \$2.50; \$18.00 per 100.

## IRIS (Oriental and Siberian)

The flowers resemble the Spanish and English Iris. These make a bright show in the garden and are also excellent for cutting. They can be cut when in bud and will fully develop in water. Blooms from latter part of May until end of June.

*Blue King*. Clear blue. Found by Mr. Peter Barr in Japan.

*Iris Siberica*. Purplish blue; 3 feet high; very desirable. June.

*Iris Siberica Alba*. Fine white. June.

Price, 30c. each; doz., \$2.50; \$18.00 per 100.

## IRIS PUMILA HYBRIDA

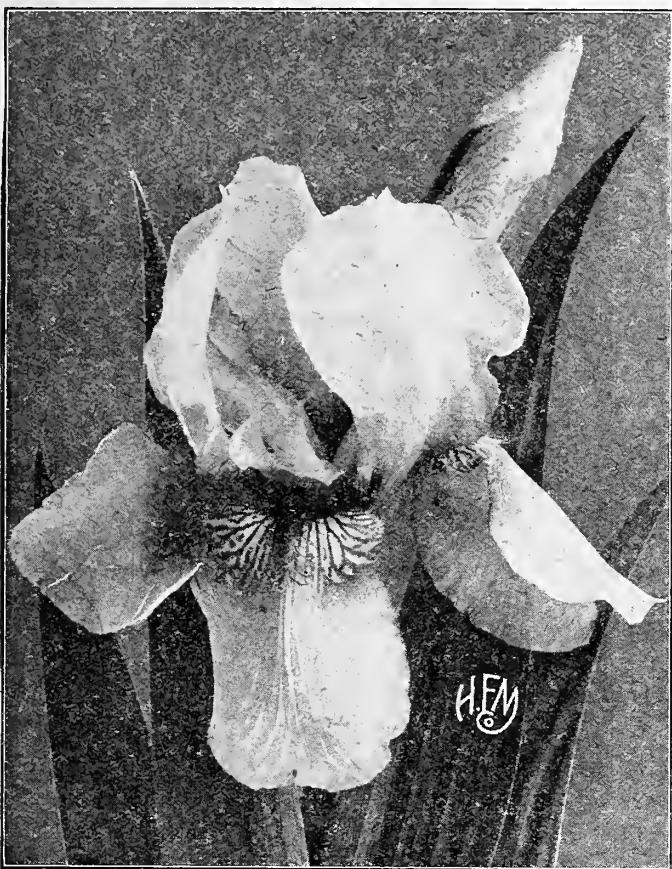
The first of the Iris to bloom, resembling in appearance the *Germanica* variety; the plants are about 6 inches high and are ideal when used as an edging for taller varieties or in borders or rockeries; they delight in a fairly dry, high situation, and once planted will increase in numbers rapidly.

*Cyanea*. Rich royal purple with blackish shadings.

*Excelsa*. A splendid pale lemon yellow.

*The Bride*. A large showy pure white.

Price, 30c. each; doz., \$2.50; \$18.00 per 100.



Iris Germanica

**IRIS GERMANICA (Fleur de Lis)**

No garden or perennial border is complete without a planting of Iris; they thrive most anywhere, being absolutely hardy under most all conditions.

**Bridesmaid.** White, shaded silvery lilac.

**Dr. Bernice.** Brown with purple falls.

**Eugene Sue.** Creamy white, spotted and striped purple.

**Florentine Alba.** Very free blooming white.

**Honorabilis.** Golden yellow, shaded rich bronze.

**Innocenza.** Pure white; early and very beautiful.

**Lohengrin.** Lilac rose; very large flower. 50c. each; per doz., \$5.00.

**Mad. Chereau.** White, edged light blue.

**Mad. Paquette.** Deep claret red, nearly solid red.

**Mrs. H. Darwin.** White standards; violet blue falls, which are turned over in graceful fashion.

**Pallida Dalmatica.** One of the finest of the Germanica type; of vigorous habit and bearing very large fragrant flowers; standards lavender, falls lavender shaded blue; one of the best. 35c. each; per doz., \$3.50; \$20.00 per 100.

**Parisiensis.** Large, showy, deep purple flowers.

Price of any of the above, except where noted, 25c. each; per doz., \$2.00; \$12.00 per 100.

**Mixed German Iris.** 15c. each; per doz., \$1.50; \$10.00 per 100.

**LATHYRUS (Everlasting or Perennial Sweet Pea)**

The perennial pea is one of the hardest and most easily cultivated species, thriving almost anywhere. It is a good trellis plant, and is adapted as a cover to wild, rough places, where it scrambles over bushes and stones. Flowers July to September.

**Latifolius.** Large deep red flowers on long stems in constant succession. 6 feet.

**Pink Beauty.** Clusters of large beautiful shell-pink flowers, like Blanche Ferry Sweet Peas.

Price, either of above, 30c. each; doz., \$2.50.

**White Pearl.** Most beautiful of all everlasting peas, with pure white flowers, which are about double the size of the ordinary Lathyrus Latifolius albus. Price, 35c. each; doz., \$3.50.

**IRIS KAEMPFERI (Japanese Iris)**

The King of all Iris and in popularity they can be classed with the Hardy Phlox and Paeonies, coming into flower about the middle of June, they continue for five or six weeks and are particularly welcome at this time. They succeed in almost any soil and like plenty of water when forming their flower buds. Valuable as cut flowers, but they should be cut in the bud state allowing the blooms to expand in water. If desired Japanese Iris may be ordered by the number prefixed to the variety.

1. **Bandai-No-Nami.** Clear white, with fringed center; double.
3. **Kichi-Cohuo.** White; single.
4. **Ho-o-Jo.** Rich velvety purple; double.
5. **O-Sho-Kun.** Dark tyrian blue; white veins, double.
6. **Shipoo.** Rich tyrian blue, white lined, double.
8. **Yudo-No-Komura.** Deep rose pink.
10. **En-U-No-Sora.** Pink, reddish standards; single.
22. **Suireni.** Very light lavender; double.
34. **Sassa-No-Koe.** White, pink lined; single.
43. **Summa-No-Ura.** Light blue; darker spotted.
60. **Uchiu.** Light lavender; very double.
75. **Yedo-Jiman.** Dark violet, purple center; double.

Any of the above named sorts of Japanese Iris, 35c. each; doz., \$3.50; \$25.00 per 100.

**Mixed Japanese Iris.** All colors and shades. 20c. each; doz., \$2.00; \$15.00 per 100.

**LIATRIS (Blazing Star, or Gay Feather)**

**Pycnostachya.** Showy and attractive native plants, succeeding anywhere, producing large spikes of light rosy-purple flowers in July and August; 5 feet. 30c. each; doz., \$2.50; \$15.00 per 100.

**LILY OF THE VALLEY**

For outdoor planting in shaded places. Pure white flower bells appear on stems about 8 to 10 inches long in the latter part of May. Clumps, 60c. each; doz., \$6.00; \$45.00 per 100.

**LOBELIA**

Handsome border plants thriving in any good garden soil but preferring a moist loam where they will not suffer from drought. Few plants are more effective at their season of bloom which extends from early August till late September.

**Cardinalis (Cardinal Flower).** Rich fiery cardinal flowers; strong plants often produce 10 to 18 spikes, 24 to 30 inches long. 30c. each; doz., \$2.50; \$15.00 per 100.

**LUPINUS (Lupins)**

These flower in May and June; are 3 to 4 feet high. In dry weather water liberally to prolong the bloom.

**Polyphyllus.** Blue, very showy.

**Polyphyllus White.**

**Polyphyllus Pink.**

Price, 35c. each; doz., \$3.50; \$20.00 per 100.

**LYCHNIS (Campion)**

All of the Lychnis are of the easiest culture, thriving in any soil, and this, in addition to their brightness, has brought them into high favor with lovers of hardy plants.

**Chalcedonica.** A most desirable plant; heads of brilliant orange-scarlet in June and July. Grows 2 to 3 feet high.

**Chalcedonica Alba.** A white-flowered form of above.

**Viscaria.** Forms a dense tuft of evergreen foliage, and in June sends up spikes of double, deep red, fragrant flowers; 1 foot.

Price, 30c. each; doz., \$2.50; per 100, \$18.00.

**LYSIMACHIA**

**Clethroides (Loose-strife).** A fine hardy variety about 2 feet high, with long, dense, recurved spikes of pure white flowers from July to September.

**Nummularia (Creeping Jenny, or Money-wort).** Valuable for planting under trees or shrubs where grass will not grow, where it quickly forms a dense carpet.

Price, 30c. each; doz., \$2.50; \$18.00 per 100.

**MERTENSIA (Blue Bells)**

**Virginica.** An early spring flowering plant 1 to 1½ feet high, with drooping panicles of handsome light blue flowers fading to clear pink; one of the most interesting of our native spring flowers; May and June. 30c. each; doz., \$2.50; \$15.00 per 100.

**MONARDA (Bergamot)**

**Didyma Cambridge Scarlet (Oscego Tea).** Crimson scarlet.

**Rosea (Bee Balm).** Flowers of a rose color, and sweetly fragrant foliage. 18 inches. July to September.

Price, 30c. each; doz., \$2.50; \$18.00 per 100.

# MICHELL'S HARDY PERENNIAL PLANTS

## OENOTHERA (Evening Primrose)

The evening Primroses are elegant subjects for growing in an exposed sunny position, either in the border or on the rockery, blooming the greater part of the summer.  
**Missouriensis.** Large golden-yellow. 1 foot. 30c. each; \$2.50 per doz.; per 100, \$15.00.

## PACHYSANDRA

An evergreen trailing plant, with thick, glossy foliage forming a dense mat; one of the finest ground covers for either sunny or shaded locations.

**Terminalis.** Green; 6 to 8 inches high; small flower spikes of a grayish white, in May and June. 25c. each; doz., \$2.50; \$15.00 per 100.

## PENTSTEMON (Beard Tongue)

Most useful showy perennials, either for the border or rockery. They are perfectly hardy.

**Barbatus Torreyi.** Spikes of brilliant scarlet flowers; height, 3 to 4 ft.; June to August.

**Multiflorus Roseus.** A compact growing variety, not over 2½ feet in height; the flowers are produced freely from June to August and are of a pleasing shade of coral-pink.

Price, 30c. each; doz., \$3.00; \$18.00 per 100.

## PHYSALIS Chinese Lantern Plant

**Franchetti.** An ornamental variety of the Winter Cherry, forming dense bushes about 2 feet high and producing freely bright orange scarlet, lantern-like fruits; highly interesting. 30c. each; doz., \$2.50; \$15.00 per 100.

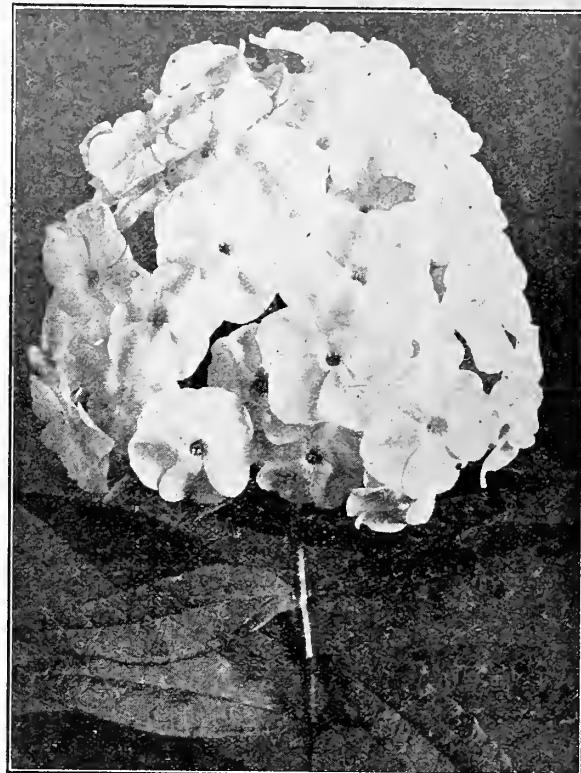
## PHYSOSTEGIA (False Dragon-Head)

One of the most beautiful of our midsummer flowering perennials, forming dense bushes 4 to 6 feet high, bearing spikes of delicate tubular flowers, not unlike a gigantic heather.

**Virginica.** Bright but soft pink.

**—Alba.** Pure white; very fine.

Price, 30c. each; doz., \$2.50; \$18.00 per 100.



Hardy Phlox

# MICHELL'S SUPERB HARDY PHLOXES

Among hardy herbaceous plants none are more easily grown than these. They are perfectly hardy, succeeding in any garden soil, and produce magnificent spikes of showy and lasting flowers year after year with comparatively little care. They are indispensable for brilliant, bold color effects in mass during the late summer and autumn as it would be difficult to maintain the display of dazzling color without them during July and August, at a time when there is hardly anything else in bloom that can be depended upon.

**Baron von Dedem.** Deep pink, suffused orange.

**Beacon.** Brilliant cherry-red; a new variety and one of the best. 35c. each; per doz., \$3.50; \$20.00 per 100.

**Elizabeth Campbell.** Bright salmon-pink, with lighter shadings and dark red eye. 50c. each; per doz., \$5.00.

**Eugene Danzanvilliers.** Delicate lavender; a very attractive and decorative color; immense flowers. The peer of its color.

**Europa.** Blush white, with a large deep pink centre; the flower truss is very large, while the florets are also of gigantic size.

**Frau Anton Buchner.** Very large pure white flower truss, with gigantic individual florets; very dwarf.

**Jules Sandeau.** Dwarf; very large flowering; pure pink; extra fine variety and free bloomer. 35c. each; per doz., \$3.50.

**L'Esperance.** Light lavender-pink with white center.

**Madame Paul Dutrie.** Delicate soft pink; resembles a delicate orchid. The flower trusses are enormous.

**Montagnard.** Dark purple claret; large spikes and flowers.

**Mrs. Jenkins.** The best pure white.

**Rheinlander.** Deep salmon pink, with a distinct bright red eye. The trusses are of gigantic size and of fine form and substance. It is very early and lasts well into the season.

**Rosamundi.** Immense trusses of beautiful soft rose colored flowers. 35c. each; per doz., \$3.50; \$20.00 per 100.

**Rynstrom.** A splendid new phlox with gigantic flowers of a bright pink. Quite tall; flowers early and continues in bloom till frost; a grand variety.

**Riverton Jewel.** Mauve-rose with brilliant carmine-red eye.

**Selma.** Pale rose with cherry-red eye; one of the best.

**Thor.** Deep salmon pink, suffused with scarlet; a white halo surrounds the aniline red eye.

**Von Lassburg.** The queen of all clear white phloxes; trusses and single flowers are immense in size; rather dwarf.

**W. C. Egan.** One of the prettiest in our entire collection, the color being a pale lilac with an intense solferino-red eye.

Price of any of the above Hardy Phloxes, except where noted, extra strong roots which will flower next season, 30c. each; doz., \$2.50; \$15.00 per 100.

## PHLOX SUFFRUTICOSA, Miss Lingard

This variety differs from the others, in that the foliage and stem are deep green and glossy, and they begin to blossom in June and remain in bloom until October. Its color is purest white. 30c. each; doz., \$2.50; \$18.00 per 100.

## MISCELLANEOUS VARIETIES OF PHLOX

**Amoena.** A beautiful plant, with soft rose-colored flowers; one of the best for rockeries or borders; 4 inches high; April-May.

**Divaricata Canadensis.** The large heads of fragrant lavender flowers appear the latter part of April and in May.

**Subulata Rosea (Moss Pink).** Moss evergreen-like foliage, tucking close to the ground and covered completely with pink star-like flowers in May.

**Subulata Alba.** The same as Rosea, with pure white flowers.

**Subulata Lil. cina.** A beautiful shade of lilac.

Price of any of the above Miscellaneous Phlox, 30c. each; doz., \$2.50; \$15.00 per 100.

## PLATYCODON

### (Balloon Flower or Japanese Bell Flower)

The Platycodons are closely allied to the Campanulas, and form neat, branched bushes of upright habit.

**Grandiflorum.** Deep blue cupped, star-shaped flowers.

**—Album.** A white-flowered form of the above.

Price, 30c. each; doz., \$2.50; \$15.00 per 100.

## PINKS, HARDY GARDEN (Double)

These old-fashioned favorites, bearing their clove-scented flowers, during the spring and early summer, are splendid cut blooms. **Elsie.** Bright rose with maroon centre. **Essex Witch.** Delicate pink, finely fringed. **White Reserve.** An everblooming variety, very double and pure white. Price, 30c. each; doz., \$2.50; \$15.00 per 100.

## MICHELL'S GIANT FLOWERING PAEONIES

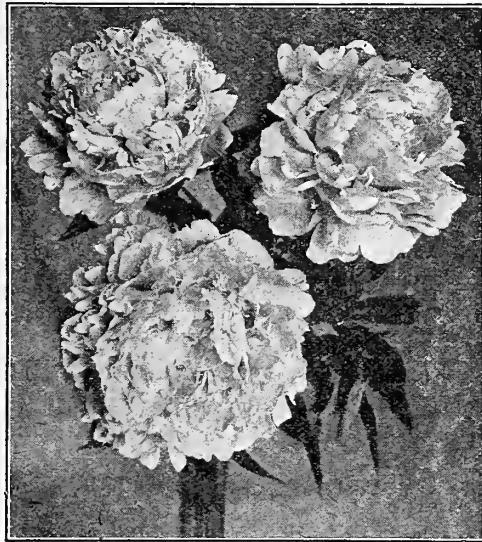
Our list of Paeonies is not a long one, but it has been made up carefully with the idea of offering the best and most distinct varieties. The selection gives a wide range of color and a long season of bloom as it includes early, midseason and late varieties.

**Adolph Rousseau** (*Dessert & Mechin 1890*). Early midseason. Very tall strong grower, with erect stiff stem and large perfectly formed flowers; dark velvety red with garnet hues and a distinct metallic reflex. Very fine for the garden and especially desirable for landscape effects. Semi-double type. \$1.00 each.

**Asa Gray** (*Crousse 1886*). Semi-rose type. Large compact flower with guard petals salmon flesh in color, center delicate lilac sprinkled with minute dots of deeper lilac. Delightfully fragrant, very distinct and beautiful; midseason. 75c. each.

**Couronne d'Or** (*Calot 1873*). Semi-rose type; late. Immense very full imbricated flat flowers; solid and compactly built; pure white with a ring of yellow stamens around a tuft of center petals tipped carmine. The whole flower glows with a delightful golden light, gaining the title of "Crown of Gold." Medium tall, robust grower and very free bloomer. 60c. each.

**Felix Crousse** (*Crousse 1881*). Rose type. Large compact flowers of a rich ruby red; very full and double. Late midseason. \$1.00 each.



*Festiva Maxima*

**Festiva Maxima** (*Miellez 1851*). Rose type. Enormous full double flowers of wonderful lasting substance; pure white with clear carmine spots on edge of petals. Early. 75c. each.

**Fragnans** (*Banks 1805*). Bomb type. Compact full flowers of deep solferino red with slight silvery reflex; strong vigorous grower and free bloomer. Late; extensively grown for cut flowers. 60c. each.

**Germaine Bigot** (*Dessert 1902*). Crown type; midseason. Very large flat flower of delicate lilac rose color; guards and collar splashed with crimson. Very free flowering and strong robust grower. \$1.00 each.

**Louise Van Houtte** (*Calot 1867*). Semi-rose type. Medium large flower, full and double; bright violet red, very dazzling. Late midseason. 75c. each.

**Mme. Emile Lemoine** (*Lemoine 1899*). Semi-rose type; midseason. Large globular, compact flower, color glossy-white, overlaid with a sheen of tender satiny pink covered with minute lilac dots. Tall strong grower and free bloomer. 75c. each.

**Mme. Emile Galle** (*Crousse 1881*). Large double, cup-shaped imbricated flowers; color delicate sea shell pink with touches of lavender. Late midseason. 75c. each.

## NEW PERPETUAL FLOWERING

### HARDY PINKS (*Dianthus Allwoodi*)

**Harold.** Large double white, of symmetrical form.

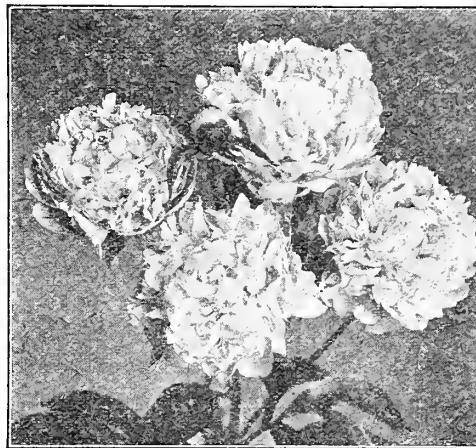
**Jean.** Pure white with purple center.

**Robert.** Delicate shade of old rose with light maroon center. Good thrifty young plants of the above varieties, 50c. each; doz., \$5.00.

## MICHELL'S GIANT FLOWERING PAEONIES

**Queen Victoria** (*Kelway*). Bomb type. The old favorite pure white. Free and early bloomer; large well formed flowers of excellent substance. 50c. each.

**Reine Hortense** (*Calot 1857*). Midseason. Enormous, compact flat flower of soft flesh deepening to shell pink, center showing crimson splashes, sometimes faint stripes. Rose type; deliciously fragrant; fine for cut flowers. \$1.50 each.



*Sarah Bernhardt*

**Sarah Bernhardt** (*Lemoine 1906*). Semi-rose type; late midseason. Very large flower of perfect form, full and double with twisted imbricated petals; color apple-blossom pink with each petal silver tipped. Strong grower, free bloomer and very fragrant. One of the finest and most dependable Paeonies ever produced, attracting attention in every garden. \$3.50 each.

**Suzette** (*Dessert 1911*). Semi-rose type; midseason. Very pretty flowers of medium size, of fine form and superb color; bengal rose, shaded deeper, showing golden stamens. Strong vigorous grower; erect stems; very rare. \$2.00 each.

**Venus** (*Kelway*). Crown type. Very large, high compact crown; delicate shell pink with lighter collar; fragrance fine. Tall free bloomer; considered one of the finest Paeonies ever introduced; midseason. 75c. each.

## SINGLE AND JAPANESE VARIETIES

These are extremely showy and are fast coming into general favor. We are listing only four varieties and we strongly recommend our customers to try a few of this type.

**La Fraicheur** (*Dessert 1902*). Single; large beautiful flowers; light rose pink changing to white. Tall, erect stems and vigorous grower. \$1.50 each.

**Okinawa** (*Japanese type*). Large dark carmine flower of bright, even color. Free bloomer and tall erect stems. \$2.00 each.

**Othello** (*Dessert 1908*). Large, well formed single variety. Clear carmine changing to purple; pure clear color which is most attractive and striking. \$3.00 each.

**Rosy Dawn** (*Barr*). Single. Large snow white flowers, tinged blush pink, resembling a great white water lily. Very early, blooming before other varieties show color. Each, \$2.00.

## PAEONIES TO COLOR

	Each	Doz.	100
Double Pink.....	\$0.35	\$8.75	\$27.50
Double Red.....	.40	4.25	32.50
Double White.....	.35	3.75	27.50

# MICHELL'S HARDY PERENNIAL PLANTS

## PLUMBAGO (Lead-Wort)

*Larpentae*. One of the most desirable border and rock plants; it is of dwarf, spreading habit, growing 6 to 8 inches high; covered with deep blue flowers during the summer and fall months. 30c. each; doz., \$2.50; \$15.00 per 100.

## ORIENTAL POPPIES (Papaver Orientale)

*Goliath*. One of the most effective; flowers of a rich scarlet; the largest flowered of this class.

*Mrs. Perry*. A soft shade of salmon rose; a beautiful large flower. This variety should be in every garden.

*Perry's White*. Pure satiny white with a bold crimson blotch at the base of each petal.

Price, 35c. each; doz., \$3.00; \$18.00 per 100.

## ICELAND POPPIES (Papaver Nudicaule)

The graceful foliage is surmounted with a mass of stems a foot high, which terminate in a beautiful cup-shaped flower. Flowers the entire summer.

*Orange, Yellow, White*; each color separate. Price, 30c. each; doz., \$2.50; \$18.00 per 100.

## PRIMULA (Hardy Primrose)

One of the first of the early spring flowers. They delight in a rich soil, preferably in a semi-shaded location. Some of the varieties are richly colored, and are worthy of a place in every hardy garden. As a hardy border edging, as well as for rockery planting, it can be highly recommended.

*Veris* (English Cowslip). A mixture comprising the various shades of red and yellow; a splendid plant for spring blooming,

*Vulgaris* (English Primrose). Beautiful light canary yellow; long flower stems with large trusses.

Price, 30c. each; doz., \$2.50; \$15.00 per 100.

## PYRETHRUM HYBRIDUM

A good old-fashioned perennial resembling colored daisies, blooming in June. They will succeed in any good garden soil in a sunny position and do best when left undisturbed for 2 or 3 years; should be given an annual top dressing of well rotted manure.

*Single Flowering*. Mixed colors only, ranging from pure white to dark red. 30c. each; per doz., \$2.50; \$18.00 per 100.

## PYRETHRUM (Giant Daisy)

*Uliginosum*. Grows 3 to 4 feet high and is covered with large white Daisy-like flowers, 3 inches in diameter, from July to September. 30c. each; doz., \$2.50; \$18.00 per 100.

## RANUNCULUS (Crowfoot Buttercup)

*Acris Fl. Pl.* A double flowered form of our common buttercup; 2 feet; May and June.

*Repens Fl. Pl.* (*Bachelor's Buttons*). A pretty double flowering, golden buttercup, bearing masses of flowers during May and June.

Price, 30c. each; doz., \$2.50; \$18.00 per 100.

## RUDBECKIA (Cone-Flower)

Indispensable plants for the hardy border; grow and thrive anywhere, giving a wealth of bloom; well suited for cutting.

*Golden Glow*. A well-known popular plant, attaining a height of 5 to 6 feet; produces masses of double, golden-yellow Cactus Dahlia-like flowers from July to September.

*Nitida* "Autumn Sun." An attractive single-flowering variety, growing 5 to 6 feet high, with long, broad petals of bright primrose-yellow; August to October.

*Purpurea* (Giant Purple Cone-flower). Flowers about 4 inches across, of a peculiar reddish-purple with a remarkably large cone-shaped centre of brown; forms bushy plants 3 feet high and blooms from July to October.

Price, 30c. each; doz., \$2.50; per 100, \$18.00.

## SALVIA (Meadow Sage)

Perennials with strikingly beautiful, orchid-like bloom, that make them welcome in the herbaceous border. Leaves are used in medicine and for the kitchen.

*Aurea Grandiflora* (Rocky Mountain Sage). Sky-blue flowers in greatest profusion; 6 feet. 30c. each; doz., \$2.50; \$18.00 per 100.

## SCABIOSA

The flowers are gigantic, measuring frequently 3 inches and more in diameter. It delights in a sunny position, and is a cut flower few perennials can equal; it lasts a long while in water; the average height is about 2½ feet. Very free flowering.

*Caucasica*. A delicate shade of lavender blue, starting in flower in June and lasting well through the summer.

*Caucasica Alba*. White. Like the above, except the color.

Price, 30c. each; doz., \$2.50; \$18.00 per 100.

## SEDUM (Stonecrop)

### DWARF VARIETIES

Suitable for the rockery and covering of graves, etc.

*Acre (Golden Moss)*. Much used for covering graves; has green foliage and bright yellow flowers.

*Sieboldi*. Round succulent glaucous foliage with bright pink flowers during August and September.

*Stahli*. A species with compact crimson foliage in the Autumn.

## ERECT GROWING VARIETIES

Useful and pretty for the border, producing their interesting flowers during the late Summer and Fall.

*Spectabile "Brilliant."* A rich colored form of the above, being a bright amaranth red.

Prices of any of the above varieties, 30c. each; doz., \$2.50; \$18.00 per 100.

## SOLIDAGO (Golden Rod)

*Golden Wings*. The finest of the Golden Rods; very showy; 5 feet high, with immense panicles of bright golden yellow flowers from July to September. 30c. each; doz., \$2.50; \$15.00 per 100.

## SPIRAEA (Goat's Beard, Meadow Sweet)

Elegant border plants with feathery plumes of flowers and neat, attractive foliage; succeed best in a half-shaded location.

*Filipendula (Dropwort)*. Numerous corymbs of white flowers on stems 15 inches high, during June and July; fern-like foliage.

*Palmaria (Crimson Meadow Sweet)*. The deep purple red of the stems and branches passes into the crimson purple of the broad corymbs of flowers; June and July; 3 feet.

Price, 35c. each; doz., \$3.50; \$20.00 per 100.

## STATICE (Sea Lavender)

*Latifolia (Great Sea Lavender)*. A handsome border plant with heads of dark blue flowers; invaluable for cutting, the flowers, when dried, lasting for months. 1 to 2 feet.

Price, 30c. each; doz., \$2.50; \$18.00 per 100.

## STOKESIA (Cornflower Aster)

*Cyanea*. Very light blue.

*Cyanea Alba*. Pure white.

Price of the above, 30c. each; doz., \$2.50; \$15.00 per 100.

## SWEET WILLIAM (Dianthus Barbatus)

*Michell's Prize Mixture*. In all colors.

*Pink Beauty* (Sometimes called Newport Pink). A splendid shade of salmon with immense flower trusses. When massed it is a striking feature of the perennial garden; extra fine novelty.

Price, 25c. each; doz., \$2.50; \$15.00 per 100.

## THALICTRUM (Meadow Rue)

*Adiantifolium*. A beautiful variety; foliage like the Maiden Hair Fern; miniature white flowers in June and July; 1½ to 2 feet.

Price 30c. each; \$2.50 per doz., \$18.00 per 100.

## TRILLIUM (Wood Lily, or Wake Robin)

*Erectum*. This is the Purple Wood flower; the earliest to bloom.

*Grandiflorum*. The largest white; probably the handsomest.

Price, 20c. each; per doz., \$2.00; \$12.00 per 100.

## VALERIANA (Valerian)

*Officinalis (Hardy Garden Heliotrope)*. Showy heads of rose-tinted white flowers during June and July; 3 to 4 feet.

Price, 30c. each; per doz., \$2.50; \$15.00 per 100.

## VERONICA (Speedwell; Cancerwort)

*Amethystina*. Amethyst-blue flowers on short spikes; one of the best. 1 to 3 feet. May to June.

*Longifolia Subsessilis (Japanese Speedwell)*. A strong grower and undoubtedly the finest of all the Veronicas; rich blue flowers on tall spikes. Fine for cutting; 3 feet; July and August.

Price, 30c. each; doz., \$2.50; \$18.00 per 100.

## VINCA (Periwinkle or Myrtle)

*Minor*. Evergreen foliage and pretty lavender flowers which appear in Spring and Fall. Extra strong plants. 20c. each; doz., \$1.50; \$11.00 per 100.

*Aurea*. Identical in habit and value with the Minor type, except that the foliage is green, margined yellow. It is fast becoming very popular by reason of the brilliant show it makes. 30c. each; doz., \$2.50; \$15.00 per 100.

## COLLECTIONS OF HARDY PERENNIALS

We can offer these in distinct varieties as per our Spring 1923 Catalog.

Vines play an important part in the landscape of the home. too highly their general use.

**AKEBIA—Quinata.** Quick growing vine; small, fine-lobed, half-evergreen leaves, and purplish brown or chocolate-colored flowers, which have a delicious odor. Desirable where a dense shade is not desired. Extra strong plants, 50c. each; doz., \$5.00.

**AMPELOPSIS—Quinquefolia** (*Virginia Creeper*). The large handsome, dark green leaves are deeply cut into five lobes. In the autumn the foliage turns a beautiful rich crimson; especially adapted to covering tree stumps and trunks. Extra strong plants, 40c. each; doz., \$4.00.

**AMPELOPSIS—Veitchii** (*Boston Ivy*). The popular climber for brick and stone buildings and walls. The leaves are a beautiful deep green, which in the autumn turn to a coppery red. Strong plants, 35c. each; doz., \$8.50; per 100, \$25.00.

**ARISTOLOCHIA—Siphon** (*Dutchman's Pipe*). Handsome light green leaves, giving a quick, dense shade. The brown flowers are shaped like the bowl of a pipe. Large plants, \$1.00 each.

**BIGNONIA** (*Trumpet Vine*)—**Radicans**. These are strong-growing vines, with rich foliage and trumpet-shaped flowers. Free flowering; dark red, throat shaded orange. Strong plants, 50c. each.

**CELASTRUS** (*Bittersweet or Waxwort*)—**Scandens**. A vine of rapid growth. In the early summer it produces yellow flowers, which by autumn have turned to bright, orange-colored fruits, with red markings. Extra strong plants, 50c. each.

**CLEMATIS.** This family of Climbing Plants are probably more popular than any other. Some of the small flowering varieties are exceedingly fragrant. The large flowering types make a glorious effect on account of their gigantic blooms and striking appearance. All Clematis delight in plenty of sunlight, rich soil and plenty of water in dry weather. Great care should be exercised in planting the large-flowering varieties; the stem is likely to get broken below the eye shoots, which would render the plant useless. In the winter put a covering of straw, long manure or leaves around the roots.

—**Coccinea.** Pretty bell-shaped coral red flowers from June until frost. 75c. each.

—**Crispa.** Sweet-scented, lavender flowers. 75c each.

—**\*Henryi.** Creamy white, large single flowers, borne in great profusion. \$1.00 each.

—**\*Jackmanii.** Violet-purple; gigantic flowers. \$1.00 each.

—**\*Mme. Baron Veillard.** Large flowering; reddish purple. \$1.00 each.

—**\*Mad. Edouard Andre.** Velvety red; flowers are well formed and of great substance; the blooms are gigantic. \$1.00 each.

—**Paniculata** (*Japanese Virgin's Bower*). A strong, luxuriant grower, with light green foliage. At the close of August innumerable star-like flowers cover the vine in a sheet of fragrant white. Strong plants, 30c. each; per doz., \$8.00; \$18.00 per 100. Extra strong plants, 50c. each; per doz., \$5.00; \$35.00 per 100.

#### Non Warranty on Clematis

The large flowering types of Clematis those marked \* are injured very easily often when being tied up, by annuals and otherwise. We ship these plants in perfect order, after which we must respectfully ask our customers to relieve us of any responsibility in the matter of them growing or thriving.

**EVONYMOUS—Radicans Variegata.** Self-clinging vine, suitable for covering walls, stumps or rockeries. Leaves are variegated. 30c. each; doz., \$2.50; \$18.00 per 100.

—**Evonymous Radicans.** Deep green foliage, otherwise like the above variety; valuable for covering low walls. 30c. each; doz., \$2.50; \$18.00 per 100.

—**Evonymous Vegeta.** This plant is regarded far too little in importance as a strictly A-1 variety for climbing stone walls of buildings or otherwise; it ranks favorably with English Ivy, except that it is evergreen and does not winter kill or shed its foliage. The foliage is large and the plant produces an orange-colored berry, which remains on the plant the most part of the winter. 30c. each; doz., \$2.50; \$18.00 per 100.

**LATHYRUS** (*Hardy Pea*). This is a splendid plant for training on pillars, columns and similar places; it flowers during the greater part of the summer, and is a really splendid cut flower, lasting well, and very effective.

—**Latifolius.** Rich red. 30c. each; doz., \$3.00.

—**Latifolius, Pink Beauty.** Beautiful rose pink. 30c. each; doz., \$3.00.

—**Latifolius, White Pearl.** Pure white, giant flower trusses. 50c. each; doz., \$5.00.

There are so many purposes they fill that we cannot recommend

**HONEYSUCKLE.** This requires very little description, always yielding in their season a wealth of fragrant bloom.

—**Chinese Evergreen.** Yellow and white variegated flowers; very fragrant; blooms the entire season.

—**Halliana** (*Hall's Honeysuckle*). Pure white, turning to yellow; fragrant hardy evergreen; flowers from June until frost.

—**Red Coral or Scarlet Trumpet.** Bright red, trumpet-shaped flowers. Blooms all summer. Extra strong plants only. 50c. each; doz., \$5.00.

—**Variegated** (*Aurea Reticulata*). Foliage beautifully mottled yellow and green; flowers white and yellow.

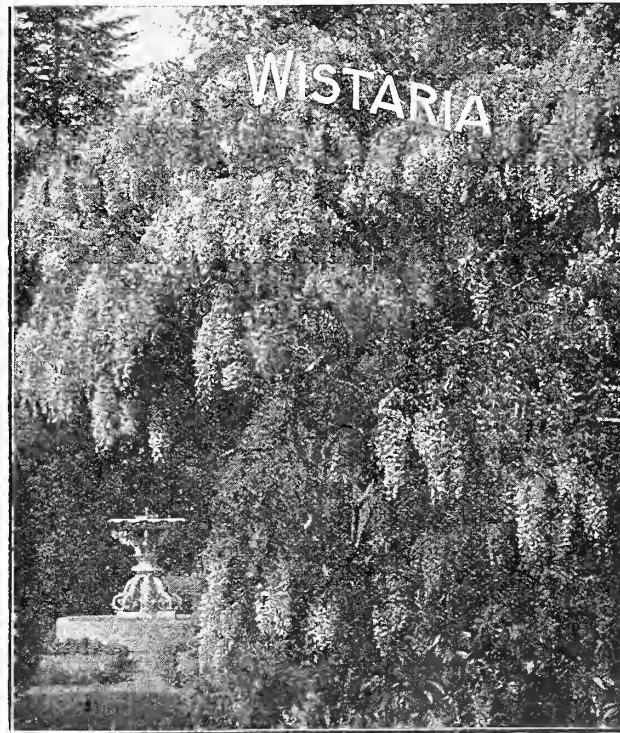
Price of any of the above Honeysuckles, except when noted, 4 in. pot-plants, 30c. each; doz., \$3.00; \$22.50 per 100. 6-in. pot-plants, 60c. each; doz., \$6.00; \$45.00 per 100.

**HOP VINE—Japanese.** A rapid grower, with dark green foliage; bears a profusion of seed-pods, suitable for many domestic purposes. Strong pot-plants, 30c. each; doz., \$2.50.

**IVY—English.** This is an invaluable plant for covering brick and stone walls and buildings. It rarely ever dies out and needs no attention. 4 in. pot-plants, 35c. each; per doz., \$3.50; \$25.00 per 100. 6 in. pot-plants, \$1.00 each; doz., \$10.00.

**LYCIUM** (*Matrimony Vine*)—**Barbarum.** A dense growing climber, somewhat shrubby in nature. In late summer the small purple flowers are followed by a crop of red berries, which remain until late winter. 50c. each; doz., \$5.00.

**POLYGONUM—Auberti.** For porches, fences, buildings, etc. A useful vine which is perfectly hardy and free from disease or pests. It is quick growing, a small plant making twenty-five to thirty feet of growth the first summer, and produces clouds of snowy white flowers, borne in long clusters, which turn rose color with age. The foliage is clean looking and attractive, and apart from its wonderful flower effect will please everyone by its appearance. It will not cling to the wall, but will ramble over anything that will support it. Strong pot-grown plants, \$1.00 each.



**WISTARIA.** This flowers in the latitude of Philadelphia during May. A strong developed vine produces hundreds of flower panicles, while no foliage is visible until after the flower is faded. They thrive best in the sun, and with an application of cow manure once or twice a season they respond marvelously by an extra growth and an abundance of flowers.

—**Chinensis** (*Chinese Wistaria*). Pale blue; somewhat fragrant. Extra strong plants 75c. each.

—**Chinensis Alba.** A beautiful white flowering form of the above. Extra strong plants, 75c. each.

## MICHELL'S HARDY DECORATIVE FLOWERING SHRUBS

## SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply decorative shrubs of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee decorative shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.

**Shipping Seasons** are usually from November 15th until freezing weather, and from March 15th to May 1st.

**ALTHEA** (*Rose of Sharon*). These thrive almost anywhere, producing their bloom from July till September.

- Alba Plena.** Pure white; double.
- Atropurpurea Plena.** Double purple.
- Duchess de Brabant.** Double; deep red.
- Lady Stanley.** Semi-double; pale pink, splashed with carmine.
- Totus Albus.** Single; pure white.

Plants, 2 to 3 feet high, 75c. each; doz., \$7.50.

**AMYGDALUS** (*Flowering Almond*)—**Alba Flore Pleno.** Erect, slender branches, which are covered in May with small, very double, fragrant white flowers. Strong plants, 2 to 3 feet, \$1.00 each.

—**Rosea Flore Pleno.** Identical with the above, but bearing pink flowers. Strong plants 2 to 3 feet, \$1.00 each.

**BERBERIS** (*Japanese Barberry*)—**Thunbergii.** A good, hardy plant for lawn or border. The slender branches are prickly with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls, a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

Height	Each	Doz.	100
9-12 inches.....	\$0.35	\$3.50	\$22.50
12-18 inches.....	.45	4.50	32.50

**BRIDAL WREATH.** See *Spirea Prunifolia*.

**BUDDLEIA** (*Butterfly Bush*)—**Variabilis Magnifica.** Flowers continuously all season. The flower racemes are composed of many little blossoms in the shape and color of lilacs. Pot plants, 30c. each; doz., \$3.00; \$20.00 per 100.

**BUTTERFLY BUSH.** See *Buddleia*.

**CALLICARPA PURPUREA** (*Beauty Fruit*). A beautiful shrub growing about 3 feet high, with graceful branches that are covered in August with tiny pink tinted flowers. These are followed in late September by violet purple berries born in clusters from the axil of every leaf. These remain on the plant until the middle of the Winter. 75c. each; doz., \$7.50.

**CALYCANTHUS** (*Sweet Shrub*)—**Floridus.** Chocolate-colored, double flowers, with a peculiar agreeable odor. Blooms in June. 3 to 4 feet. 75c. each; doz., \$7.50.

**CERCIS** (*Judas Tree or Red Bud*)—**Canadensis.** A tall, slender growing shrub, developing eventually into a large tree. Very early in the spring the leafless branches are covered with delicate deep pink flowers. 4 to 6 feet plants, \$1.00 each.

**CHIONANTHUS** (*White Fringe*)—**Virginica.** In May and June the tree is covered with long, fluffy panicles of fine white bloom. Strong plants, 2 to 2½ feet, 75c. each; doz., \$7.50.

**CLETHRA** (*Sweet Pepper Bush*)—**Alnifolia.** Of low and dense growth; has numerous spikes of small white fragrant flowers appearing in July; desirable for moist places or along water edges. One of the prettiest of our native shrubs. 2 to 3 feet. 75c. each; doz., \$7.50.

**CORNUS** (*Dogwood*)—This plant is so well known that it hardly needs description. The flowers appear before the foliage in May. In autumn it takes on a rich crimson shade.

—**Florida** (*White Flowered Dogwood*). Strong plants; 4 to 5 ft., \$2.00 each; doz., \$20.00.

—**Rubra** (*Pink Flowered Dogwood*). 3 to 4 ft., \$3.00 each.

**CYTISUS** (*Golden Chain*)—**Laburnum.** A large shrub with shining green leaves and long drooping racemes of yellow flowers, which appear in early summer. \$1.50 each.

**DEUTZIA.**—The Deutzias are among the most useful of our summer flowering shrubs. For planting either individually or in masses they are very attractive.

- Crenata Rosea Fl. pl.** Double flowering; white tinged pink, 3 ft.
- Gracilis.** Of dwarf, bushy habit; white flowers. 18 inches. Price, either of the above, 75c. each; doz., \$7.50.
- Pride of Rochester.** The flowers, borne in large panicles, are pinkish white, with under-side of the petals rose. June. 75c. each; doz., \$7.50.

**DOGWOOD.** See *Cornus*.

**EVONYMUS ALATA** (*Cork-barked Evonymus*). Small delicate flowers in late Spring are followed by attractive red berries in the Fall. Curious bark, brilliant Autumnal foliage. Best for individual planting. 18 to 24 inches, 75c. each; doz., \$7.50.

**FLOWERING ALMOND.** See *Amygdalus*.

**FORSYTHIA** (*Golden Bells*). Bright golden yellow, star-shaped flowers burst into bloom just as winter is leaving and while the bush is otherwise bare.

- Fortunei.** Erect growing with dark green foliage; strong plants 4 ft., 75c. each; doz., \$7.50.
- Suspensa.** Graceful, drooping tendency. Frequently planted on banks and slopes. Beautiful as specimens or in masses. 75c. each; doz., \$7.50.

**GOLDEN BILLS.** See *Forsythia*.

**GOLDEN CHAIN.** See *Cytisus*.

**HONEYSUCKLE.** See *Lonicera*.

**HYDRANGEA**—**Arborescens Grandiflora Alba** (*Snowball Hydrangea*). The snow-white blooms are of the largest size, coming into flower early in June and lasting until late in August. Is more hardy than any other sort and especially suited for shaded places. 2 to 2½ ft., 75c. each; doz., \$7.50.

—**Paniculata Grandiflora.** The large panicles of white flowers are at their best during August; later they take on a reddish cast. These plants look fine used as single specimens on the lawn or grouped in large beds. Strong bush form, 2 ft. plants, 75c. each; per doz., \$7.50. Extra strong stock, 3 ft., \$1.25 each; per doz., \$12.00.

—**Paniculata Grandiflora** (*Standard or Tree Shaped*). These are fine, planted as individual specimens in the lawn or in the centre of beds, containing other plants. Stems 2 to 2½ feet long, with shapely heads, \$1.50 each.

**Otaksa and French Varieties.** See Page 36.

**JAPAN QUINCE.** See *Pyrus*.

**JASMINUM**—**Nudiflorum.** A fine shrub for sheltered positions, bearing fragrant yellow flowers very early in Spring. Hardy south of Philadelphia. 75c. each; doz., \$7.50.

**JUDAS TREE.** See *Cercis*.

**LILAC.** See *Syringa*.

**LONICERA** (*Honeysuckle*)—**Morrowi.** An open bush with irregular branches. The foliage is dark green with small white flowers, which appear during May. During the late summer and early autumn the plant is covered with bright red berries. Plants, 3 feet, 75c. each; doz., \$7.50.

**MALUS** (*Crab*)—**Bechtel's Double Flowering.** Grows medium height, producing large double flowers of wonderful fragrance. 2 to 3 ft. high, \$2.00 each; 3 to 4 ft. high, \$3.00 each.

**MOCK ORANGE.** See *Philadelphus*.

**PHILADELPHUS** (*Mock Orange*) **Coronarius.** Handsome foliage and beautiful fragrant white flowers in May and June. 2 ft. plants, 75c. each; doz., \$7.50.

**PYRUS** (*Japan Quince*)—**Japonica.** This shrub is a beautiful sight when covered in the early spring with cherry-red flowers, about the size of an apple blossom. After the flowers fall, many of them set fruit, which is edible, making the finest Quince Jelly or preserves. Extra strong plants, 2 ft., 75c. each; doz., \$7.50.

**ROSE OF SHARON.** See *Althea*.

**RHUS**—**Typhina Laciniata** (*Dwarf Cut-leaved Sumac*). Low growth and fern-like foliage make this variety distinctive. Foliage is brilliantly colored in the fall months. 75c. each; doz., \$7.50.

**SNOWBALL.** See *Viburnum*.

**SPIREA**—**Anthony Waterer.** Of dwarf, dense habit, bearing a profusion of crimson flowers. 18 inches, 75c. each; doz., \$7.50.

—**Prunifolia** (*Bridal Wreath*). The pretty double white flowers are all along the almost leafless stem about May 1st, just as the leaves are budding. 3 feet, 75c. each; per doz., \$7.50.

—**Thunbergi.** One of the prettiest of the dwarf shrubs with fine delicate foliage and a profusion of small white flowers in the early Spring. 12 to 18 inches, 75c. each; per doz., \$7.50.

—**Van Houttei.** The most beautiful of all white Spireas, flowering in May when it is a complete fountain of white bloom. 3 to 4 feet, 75c. each; per doz., \$7.50.

SUMAC. See *Rhus*.

SWEET PEPPER BUSH. See *Clethra*.

SWEET SHRUB. See *Calycanthus*.

**SYMPHORICARPU**s (*Snowberry*)—*Racemosus*. Small red flowers are succeeded by many white berries, remaining on the plant through half the winter. Strong plants, 75c. each; doz., \$7.50.

—*Vulgaris* (*Red fruited or Indian Currant*). This is a well known shrub, bearing pink flowers followed by bright red fruit. 75c. each; doz., \$7.50.

**SYRINGA** (*Lilac*)—*Japonica*. A very desirable free flowering tree, bearing during June and July fragrant white flowers in large panicles. 75c. each; doz., \$7.50.

—*Vulgaris*. Common purple, sweet-scented lilac. 75c. each; doz., \$7.50.

—*Vulgaris Alba*. Pure white type of the above, but more fragrant. 75c. each; doz., \$7.50.

—*Hispida Aestivalis*. A distinct variety, bearing delicate sprays of soft pink flowers in July and August, very light and feathery. 2 ft. to 3 ft. 75c. each; doz., \$7.50.

**TAMARIX**—*Hispida Aestivalis*. A distinct variety, bearing delicate sprays of soft pink flowers in July and August, very light and feathery. 2 ft. to 3 ft., 75c. each; doz., \$7.50.

**VIBURNUM** (*Snowball*)—*Plicatum* (*Japanese Snowball*). A desirable shrub. Should be in every garden or on the lawn; perfectly hardy; blooms in June. Extra fine plants 2 to 3 feet, 75c. each; doz., \$7.50.

**WEIGELIA**—*Candida*. Flowers abundantly in June and July; additional bloom is also shown during the autumn months. The tube-shaped flowers are pure white; fine for cutting. Plants, 4 feet, 75c. each; doz., \$7.50.

—*Eva Rathke*. Of erect form and vigorous habit. The deep carmine-red flowers are the best of the red-flowering sorts; 2 to 3 feet, 75c. each; doz., \$7.50.

—*Rosea*. Remarkably showy flower; numerous spreading branches and dark green leaves. The rose-colored blooms are produced in great abundance. 75c. each; doz., \$7.50.

**WHITE FRINGE**. See *Chionanthus*.

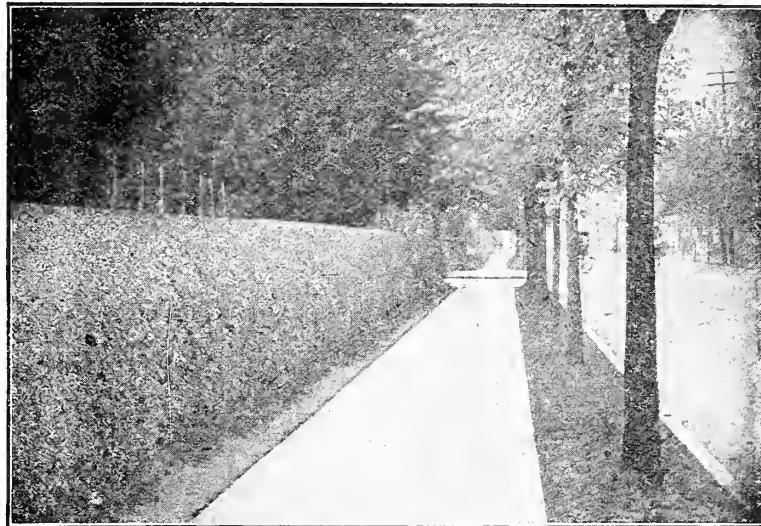
Shipping season is usually from November 15th until freezing weather, and from March 15th to May 1st.

## MICHELL'S CHOICE THRIFTY HEDGE PLANTS

### CALIFORNIA PRIVET

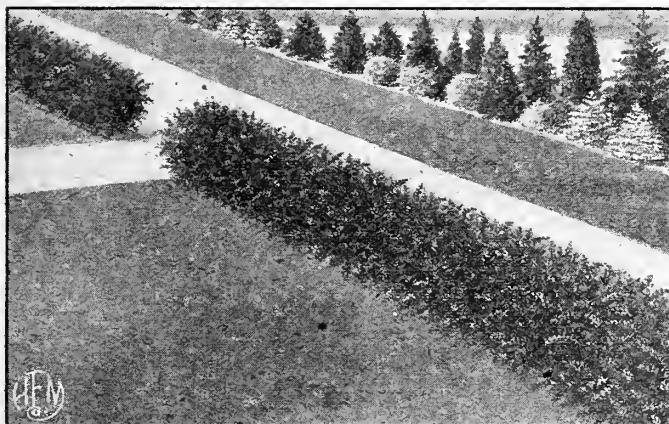
Unlike a fence, which needs painting, repainting, etc., and then never looks well, this hedge is no further expense after planted, and it adds dignity and charm to any home, and increases the value of real estate. Being absolutely hardy, it increases in beauty with each successive year. Privet is somewhat of an Evergreen nature and looks attractive until real winter sets in. Plants should be set 12 inches apart in double rows, in zig-zag fashion, so that the plants are diagonally opposite each other; this practically places them 6 inches apart, which is desirable to get a quick, dense growth. Plant from October 15th till the ground freezes, and from March 15th to May 15th.

Height	Doz.	100	1000
1-yr.-old, 18 to 24 in.....	\$1.25	\$6.00	\$50.00
2-yr.-old, 24 to 30 in.....	1.50	8.00	70.00
2-yr.-old, 30 to 36 in.....	2.00	10.00	90.00



A Privet Hedge Is Much More Attractive Than The Best Fence

Gentlemen:— **Testimonial** Carney's Point, N. J.  
I am very much satisfied with the plants I received, but it would be impossible for them to do any better than the plants I received from you last year. J. L. V.



Berberis Thunbergii

### BOXWOOD (Buxus Serrulata) (For Edging)

10 to 12 inches high, \$1.00 each; 15 to 18 inches high, \$2.00 each.

### BERBERIS THUNBERGII (Japanese Barberry)

A good hardy plant of low dense growth. There is an air of grace and refinement to the Barberry Bush which is not embodied in any other hedge plant. It is a brilliant light green from early spring to winter. It has a manner of growth which does not give it the stiff, cold appearance which many other hedge plants have. It should really be regarded as a shrub, as it can be planted individually in lawn or border. The slender branches are prickly, with small thorns, and tend to make a defensive hedge that few animals will attempt to penetrate. In autumn the foliage is a bright crimson; when it falls a profusion of scarlet berries, which remain throughout the winter, are revealed on the branches.

Height	Each	Doz.	100
9 to 12 in. (plant 8 to 10 in. apart).....	\$0.35	\$3.50	\$22.50
12 to 18 in. (plant 10 to 12 in. apart).....	.45	4.50	32.50

**BOXWOOD (Buxus Serrulata) (For Edging)**  
In Europe the Boxwood edging plays a very conspicuous part in every garden. There is something about it which adds a home-like feeling to the surroundings. At times, especially in the morning or after a rain, it seems to permeate the air with a distinct, pleasant odor. A planting lasts a lifetime. Many Boxwood inclosures planted a hundred years ago are in existence today. It grows rather bushy, instead of in height. It should be set about 4 inches apart and trimmed to shape according to its growth.

3 to 5 in. high, \$3.00 per doz.; per 100..	\$20.00
5 to 6 in. high, \$4.00 per doz.; per 100..	30.00



Evergreens offer a wide variety and brilliant diversity of color, every shade of green and blue foliage; then there are the rich, golden tints, the soft silvery grays and those varieties with the dainty white-tipped leaves.

Evergreens are much desired for specimen lawn trees; they are also extensively used for massing, shelter belts, screens and hedges. The taller varieties form perfect backgrounds for the showy flowering shrubs and trees of early spring, the berries of autumn, the bright bark and twigs of winter, or the light green, golden or silver-blue growth of smaller evergreens.

This list includes the varieties mostly in demand.  
We can furnish all other sorts.

See Page 49 for Special Notice on Guarantee.

**ARBORVITAE** (*Thuya*). These are chiefly of upright habit, not growing overly tall; exceedingly hardy; of a brilliant green all through the bleakest winter; splendid for back-grounds, windbreaks or garden fences.

— **Aurea** (*Golden Arborvitae*). Golden foliage retained well throughout the year. Attractive as a specimen, or to produce color contrasts in groups or beds. Not hardy north of New York. 18 inch, \$3.75; 24 inch, \$4.50.

— **Globosa** (*Globe Arborvitae*). Light green foliage of a grayish cast. The neat globular outline adapts this Arborvitae for formal plantings, tub and window box use, as well as in the foreground of Evergreen groups. 12 inch, \$3.00; 15 inch, \$3.50.

— **Occidentalis** (*American Arborvitae*). A well-known, popular evergreen for ornamental hedges; rapid growth. 2 to 3 feet, \$2.25; 3 to 4 feet, \$4.50; 5 to 6 feet, \$7.50.

— **Occidentalis pyramidalis** (*Pyramidal Arborvitae*). The most narrow, columnar-like evergreen; medium growth; very distinct light green, compact foliage. Very effective in landscape work. 2 to 3 feet, \$4.50; 3 to 4 feet, \$7.50.

**CYPRESS, JAPANESE** (*Retinospora*). The many varieties vary considerably in their general appearance and nature of growth; all of them can be clipped occasionally to keep them within growing boundary. The shades of colors are numerous, so that an assortment of them makes a handsome effect.

— **Filifera** (*Thread Branched Retinospora*). Broad and bushy, with pendulous, dark green foliage of a thread-like nature. A distinctive, valuable tree. 1½ to 2 feet, \$4.50; 2 to 2½ feet, \$6.00.

— **Plumosa** (*Plume-like Cypress*). A splendid bushy variety with pyramidal outline, slender, graceful branches and light green leaves. 1½ to 2 feet, \$3.75; 2 to 2½ feet, \$4.50.

— **Plumosa aurea**. The most popular and generally useful of all the golden evergreens. Especially ornamental, and the soft, plume-like golden foliage is particularly bright in spring. A vigorous grower and unsurpassed for color effect. 12 to 18 inches, \$2.25; 2 to 3 feet, \$5.00; 3 to 4 feet, \$6.25; 4 to 5 feet, \$9.50.

**JUNIPERS** (*Juniperus*). These possess remarkable vigor and thrive in bleak situations, in poor, stony soils and barren lands, in low and damp places at the seashore, in fact, most anywhere.

— **Excelsa Stricta** (*Greek Juniper*). Close growing, pyramidal form, with gray green foliage. Excellent in the formal garden. 12 to 15 inch, \$2.75; 15 to 18 inch, \$3.50.

— **Hibernica** (*Irish Juniper*). Very useful in formal planting, screenings for small yards and cemeteries. 1 to 2 feet, \$2.25; 2 to 3 feet, \$4.50.

— **Pfitzeriana**. A beautiful new form, with graceful dark green foliage. One of the most attractive of evergreens. 1½ to 2 feet, \$4.50; 2 to 3 feet, \$6.00.

**PINE** (*Pinus*). These will endure a wide range of climatic conditions, being native in the lowlands or the mountains, and will withstand cold, bleak winds. Useful on lawns and on public grounds. They are in variety so that a suitable sort may be selected for almost any purpose.

— **Austriaca** (*Austrian Pine*). Tall, massive, with spreading limbs and long, stiff needles. Thrives along the coast, inland, and under city conditions. Handsome for specimen or open group planting. We offer an especially fine lot of these desirable trees. 3 to 4 feet, \$5.00.

— **Excelsa** (*Bhotan Pine*). Somewhat like the White Pine, having graceful branches, silvery gray green in color; very suitable for massing. 3 to 4 feet, \$5.00.

— **Mughus** (*Mugho Pine*). A low growing, broad spreading tree; in fact it is more of a large pine bush than a tree, and is very ornamental. 1 to 2 feet, \$5.00.

**SPRUCE** (*Picea*). Probably better known and more largely planted than any of the other evergreens; they are hardy, tall and rapid growers; reliable in almost any locality, living for many years. Suitable for planting as specimens, while some varieties are used for hedges and windbreaks.

— **Canadensis** (*Hemlock Spruce*). A rapid grower; very hardy and not particular as to soil. If trimmed, it becomes dense and bushy, making beautiful hedges. 2 to 3 feet, \$5.00; 3 to 4 feet, \$7.00.

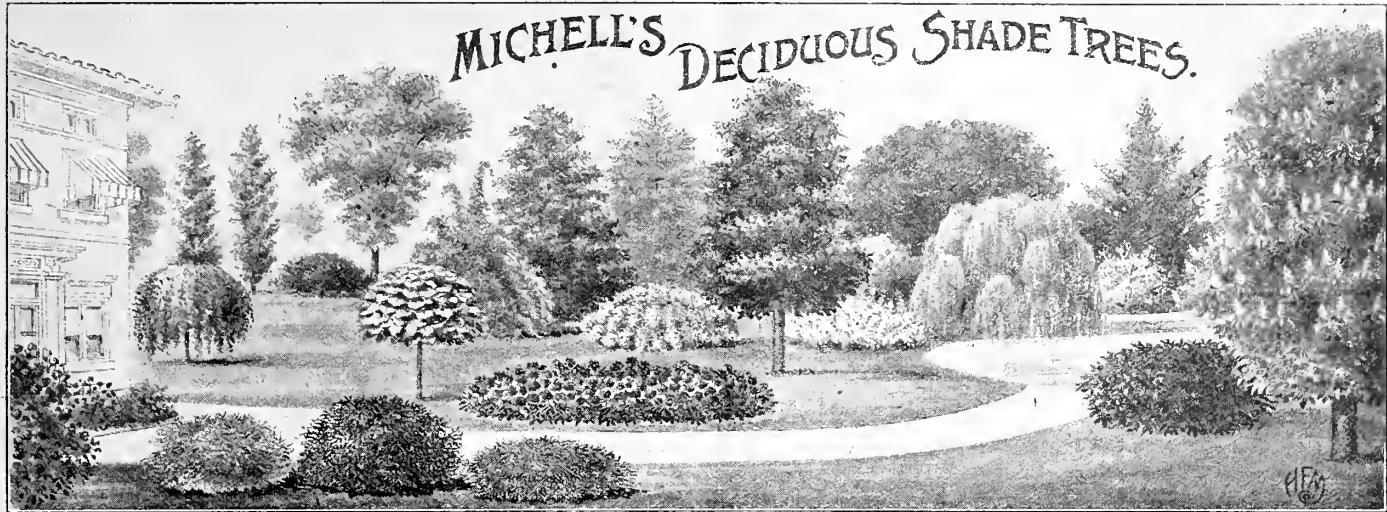
— **Excelsa** (*Norway Spruce*). Rapid grower; does well in most soils. It is highly valued for shelters, windbreaks or hedges. 2 to 3 feet, \$3.00; 3 to 4 feet, \$4.00.

**YEW** (*Taxus*). These are a small growing evergreen, highly ornamental; effective in groups or bed plantings.

— **Cuspidata** (*Japanese Yew*). One of the hardest of Yews. Upright, rather open growth, with rich green foliage. Makes a beautiful medium-sized specimen, and can be kept uniform and symmetrical by occasional shearing. 12 to 18 inch, \$3.50; 18 to 24 inch, \$5.00.

— **Cuspidata brevifolia**. The branches are spreading and the general aspect is less dense than the common Yew. Perfectly hardy. 12 to 15 inches, \$3.75; 15 to 18 inches, \$4.50.

# MICHELL'S DECIDUOUS SHADE TREES.



This list includes the varieties mostly in demand.  
We can furnish all other sorts.

**Beech (Purple) *F. sylvatica purpurea*.** The foliage in spring is a deep purple, changing later to green. Should be closely pruned when transplanted. 4 to 5 feet, \$3.50.

**Birch (Cut-Leaved Weeping) *Betula laba laciniata pendula*.** Tall, slender, with graceful drooping branches, silvery-white bark and delicately cut foliage. 4 to 6 feet, \$2.00.

**Crab, Betchel's Double Flowering (*Malus Ioensis Bechtelii*).** The tree is of medium growth; the flowers are of immense size and of a beautiful pink color; highly fragrant. Very double. 2 to 3 feet, \$2.00; 3 to 4 feet, \$3.00.

**Crab, Parkman's Flowering (*Malus Parkmanii*).** Rose-colored buds open into little rosy-white flowers; these are succeeded by decorative fruits. The tree is of a rather spreading, irregular nature. 2 to 3 feet, \$2.00; 3 to 4 feet, \$3.00.

**Dogwood (*Cornus*).** See Page 46.

**Elm (American) *Ulmus americana*.** One of the finest street shade trees in the world. 8 to 10 feet, \$2.50.

**Horse Chestnut (*Aesculus hippocastanum*).** The flowers are large, white spotted with purple and produced in large, compact spikes. A fine shade tree. 4 to 6 feet, \$3.00.

**Larch (European) *Larix decidua*.** A conifer with deciduous needle-like leaves; bright green very early in spring, and clear yellow in autumn. 3 to 4 feet, \$2.50.

**Linden (American) *T. Americana* (Basswood).** The largest-growing Linden. Suitable for parks or streets. When in blossom, its yellow flowers are intensely fragrant. 8 to 9 feet, \$3.00; 10 to 11 feet, \$5.00.

**Linden (European) *Tilia europaea*.** Leaves smaller and darker than those of the American Linden; form a dense shade. 8 to 10 feet, \$4.00; 10 to 12 feet, \$5.00.

**Maple (Norway) *A. platanoides*.** One of the finest park, street or lawn shade trees in America; of rounded form, compact habit and stout, vigorous growth. 8 to 10 feet, \$3.00; 10 to 12 feet, \$4.50; 12 to 13 feet, \$6.00.

**Maple (Sugar) *A. saccharum*.** Its upright habit of growth, dense shade and adaptability to different soils have rendered it one of the most extensively used. The autumn effect of the foliage is particularly handsome. 8 to 10 feet, \$3.50; 10 to 12 feet, \$4.00.

**Maple (Silver) *Acer dasycarpum*.** Of rapid growth; extensively planted for ornament and shade. 8 to 10 feet, \$2.50; 10 to 12 feet, \$2.75.

**Mountain Ash (*Sorbus aucuparia*).** A handsome native tree. In autumn and early winter the tree is clothed with large clusters of red berries. 6 to 8 feet, \$2.50.

## SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply trees, plants and shrubs of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or planter. If customers desire us to guarantee plants, trees and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.

**Mulberry (Teas' Weeping) *Morus alba pendula*.** Forms a perfect umbrella-shaped head, with slender, willowy branches, drooping to the ground. 1 year heads, \$3.75; 2 year heads, \$5.00.

**Oak (Scarlet) *Quercus coccinea*.** A large, well-shaped tree; in the fall the foliage changes to a brilliant scarlet. 6 to 8 feet, \$3.75; 8 to 10 feet, \$5.00.

**Oak (Pin) *Q. palustris*.** Foliage deep green and finely divided. The leaves become a shade of scarlet and yellow in autumn. It thrives in almost any soil. 8 to 10 feet, \$4.50.

**Plane (Oriental) *Platanus orientalis* (Buttonwood).** A favorite tree for avenue and seashore planting; of large spreading habit and rapid growth; not affected by insects. Leaves large, smooth and handsome, affording abundant shade. 8 to 10 feet, \$3.00; 10 to 12 feet, \$5.00; 12 to 14 feet, \$6.00.

**Poplar (Carolina) *Populus caroliniana*.** Good in almost any location. 8 to 10 feet, \$2.50.

**Poplar (Lombardy) *P. nigra fastigiata* var. *Italica*.** Its tall form, sometimes reaching 120 feet, makes it indispensable in landscape effects for breaking monotony of outline. 6 to 8 feet, \$2.00; 8 to 10 ft., \$2.50; 10 to 12 feet, \$3.50.

**Salisburia (Maiden Hair Tree).** One of the oddest and most peculiar of all hardy exotic trees. Its leaves are deciduous, fan-shaped, broad and notched, resembling those of the Maiden Hair Fern. 6 to 8 feet, \$2.50; 8 to 10 feet, \$3.00.

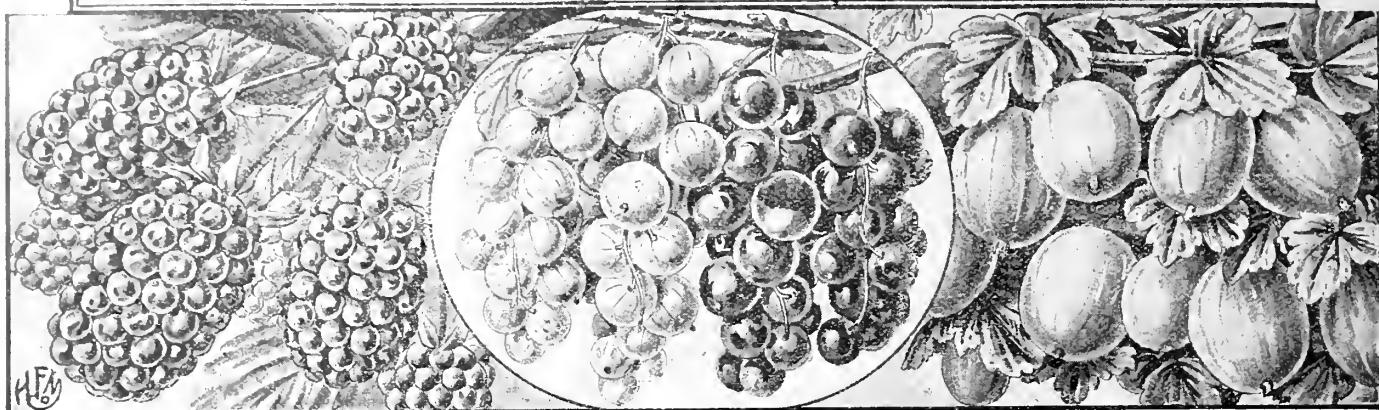
**Tulip Tree (*Liriodendron tulipifera*).** A popular native deciduous tree, sometimes attaining a height of 75 to 100 feet. 6 to 8 feet, \$3.00; 8 to 10 feet, \$5.00.

**Umbrella Tree (*Catalpa bungei*).** For the lawn the Catalpa bungei is very effective. Has a dense, perfect, half-globular or umbrella-shaped head, high on a straight upright stem. On the terraces when used in connection with the California Privet hedge the effect is most pleasing. Price, 5 to 6 feet stems, 1-year heads, \$3.75 each; 5 to 6 feet stems, 2-year heads, \$6.25 each; 6 to 7 feet stems, 4-year heads, \$9.50 each.

**Weeping Willow (*Salix babylonica*).** This is the well-known Weeping Willow, whose long pendulous branches droop so gracefully, and sway to the slightest breeze. Grows well in wet or dry places. 6 to 8 feet, \$2.00; 8 to 10 feet, \$3.00.

**Weeping Willow (*Salix elegantissima*).** Similar to Babylonica, but more upright. 8 to 10 feet, \$2.00; 10 to 12 feet, \$3.00.

# MICHELL'S SELECT FRUITS



Blackberry, "Eldorado"

Currants

Gooseberries

Every garden should have some space reserved for small fruits. None bought in the market can compare with those picked fresh by yourself when you want them. Any surplus that cannot be consumed may be put up for winter use.

**NOTE.**—Owing to the peculiar laws of Florida and Mississippi concerning the shipping of nursery stock into those States, we regret **WE ARE UNABLE TO ACCEPT ORDERS FOR NURSERY STOCK or SMALL FRUITS FOR SHIPMENT WITHIN THOSE STATES.**

## BLACKBERRIES (Extra Strong Plants)

Blackberries thrive most anywhere. The plants are subject at times to attack of rust, particularly during prolonged wet spells in summer. A spraying, especially underneath the foliage, with copper solution, usually arrests this. However, if the disease spreads too much, it is best to dig up the bushes, burn them and plant new ones in another part of the garden. If they are sprayed before being affected it is the best plan.

**Bushel Blackberry.** Perfectly hardy. A delicious, large berry of finest flavor, and a very heavy cropper. In growth it is like the Black Diamond. Must be trained on poles or trellis.

**Eldorado.** A very vigorous grower, free from mildew or rust; enormously productive; fruit large, excellent quality and without core.

**Mersereau.** Remarkably strong grower. An enormous producer of extra size berries, which are brilliant black, and retain their color under all conditions: very sweet and without core. Unsurpassed as a shipper and keeper.

**Ward.** An extra strong grower; produces an enormous crop of extra large, glossy black berries, which are rich, sweet, and tender and with no hard core.

**Price of Blackberries, \$1.00 per doz.; per 100, \$7.00.**

**Note.**—If Blackberries are desired by Parcel Post, allow 15c. per dozen for postage, as we send out only extra strong plants which generally bear some the first season.

## CURRENTS (Extra Strong Plants)

Currents like good, rich soil. They are particularly susceptible to scale, and steps should be taken to keep them free from this by liberal spraying, when the bushes are dormant.

**Red Dutch.** An old and well-known standard variety; clusters average about three inches long; berries medium in size, dark red.

**Price of Currents, strong 2-year old, 30c. each; per doz., \$3.00; \$20.00 per 100.**

**Note.**—If Currents are desired by Parcel Post, add 20c. per doz. for postage, as we send out extra strong bushes.

## GOOSEBERRIES (Extra Strong Plants)

Gooseberries should be cultivated during the growing season and fertilized with manure in the early spring or late fall. They will repay you for this trouble with an extra big crop.

**Downing.** Medium to large; whitish green; flesh soft and juicy.

**Red Jacket.** Berries medium; color, pale red; tender and good.

A wonderful cropper, with clean, healthy foliage.

**Price of Gooseberries, 30c. each; doz., \$3.00; \$20.00 per 100.**

**Note.**—If Gooseberries are wanted by Parcel Post, please add 25c. per doz. for mailing charges.

**PLEASE NOTE.**—Some States forbid the shipment of Gooseberries into their boundary. Before ordering it might be well to ascertain if there is such a law in your State.

## SPECIAL NOTICE ON GUARANTEE

We spare no effort to supply "small fruit" bushes of the best quality in first-class living condition. On account of the many causes beyond our control we regret we cannot guarantee this stock to live and establish itself, as that is usually entirely within the power of the buyer or grower. If customers desire us to guarantee these and trees and shrubs to live we will assume such guarantee at an advance of 25 per cent. over and above our usual prices, but not otherwise, and such guarantee will expire within 90 days from date of shipping.

## GRAPE VINES

A few of these planted in the garden, after several years will yield abundant crops, and they last for years with little attention except pruning and spraying.

**Caco.** The most delicious of all Grapes and perfectly hardy; it has been pronounced by America's most expert grape growers to equal in high quality and melting texture the finest varieties grown under glass. When one considers the price of the green-house product and realizes that the wonderful Caco can be grown in the back yard, almost without attention, the force of the above statement is apparent. The large berry is wine-red. Bunch of good size, compact and of good form. Ripens in ten days to two weeks in advance of Concord; rich in sugar; excellent in flavor. Vine a very strong, vigorous grower, healthy and prolific. This is a very fine variety and is easily worth the slight advance in price over the older varieties. \$1.00 each.

**Campbell's Early.** A valuable and delicious grape; vine very strong, hardy and vigorous, with thick, healthy foliage; berries large, black, with light purplish bloom; skin thin; few and small seeds; flavor rich and delicious.

**Catawba.** Delicious flavor; medium size, red berry.

**Champagne.** A sterling variety of greatest merit. Color a coppery red. Berries very large. Immense producer. Seasons in which other varieties did not fruit, this variety stood out bearing an immense crop. Very strong grower, fifteen to twenty feet or more a season being common. Has never been known to winter kill. \$1.00 each; doz., \$10.00.

**Concord.** The well-known standard purple variety; succeeds wherever grapes will grow.

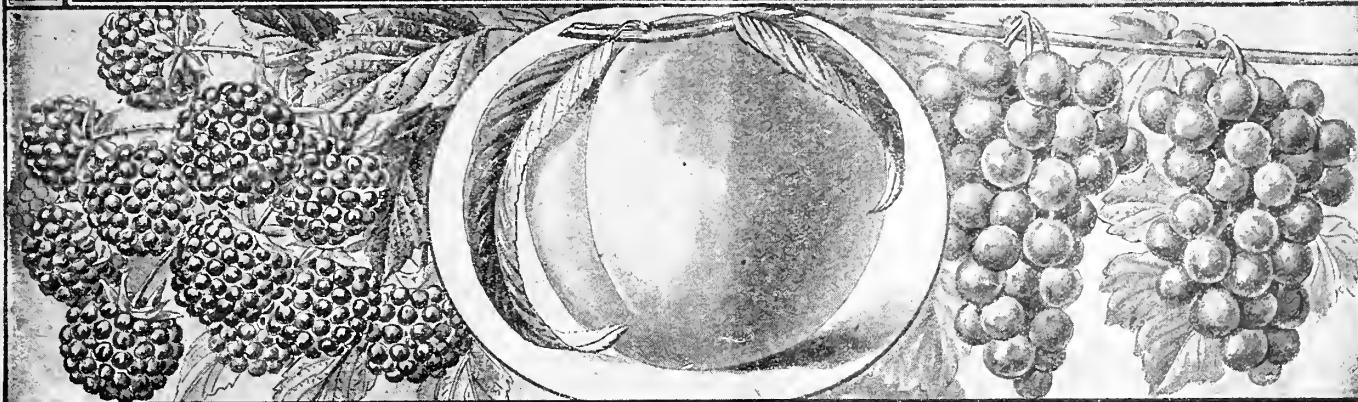
**Moore's Diamond.** A strong healthy grower; hardy and productive; color, white; berries large, flesh tender, juicy, but with little pulp; ripens before Concord.

**Niagara.** An unusually strong grower; bunches very large and compact; berries large, light greenish-white, semi-transparent; has very little pulp and is sweet to the center.

**Prices**—Any of the above excepting Caco, 2-year old vines, 50c. each; doz., \$5.00. If Grape Vines are wanted by mail, add 5c. each for postage charges.

**Please Note.**—We have reduced the variety of Grape Vines offered, retaining the best in varieties which cover the different colors.

**Shipping Seasons** for small fruits are from October till freezing weather and from March 25th to May 15th.



## RASPBERRIES (Extra Strong Plants)

Raspberries should be carefully staked, to get large crops. We also recommend that well-rotted manure or other suitable fertilizer be dug around the bushes, either in the fall or early spring.

**Cumberland (Blackcap).** The largest raspberry known. Selected specimens measure an inch in diameter; immensely productive.

**Cuthbert.** Berries very large, measuring 3 inches around; conical; rich crimson; one of the old-time favorites.

**King.** In this extra early variety are united earliness, bright color, firmness and excellent quality of its berries with vigorous growth, productiveness and hardness of cane. Its crimson berries are exceedingly bright in color and firm to endure long shipment.

**Ranere Everbearing.** This yields its first crop of berries in June (the regular season), and yields an equally heavy crop the latter part of August and continues bearing right up to November.

It thrives equally well on sandy and heavy soil. The fruit is large, of a beautiful crimson color, sweet and juicy, is borne in great abundance; does not sunscald as easily as other sorts. A photo was made of a stalk which had by actual count 169 berries on one stem. This gives some idea of its free fruiting qualities.

**Welch.** So sweet and rich in flavor, this was at one time offered as "Honey Raspberry." A mid-season variety with berries of extra large size, good, bright crimson color and honey sweetness, melting and luscious. It is not firm enough to ship well a long distance. The canes are vigorous, hardy and productive. Superb for the home garden.

Price, any of the above, \$1.00 per doz.; per 100, \$7.00.

If Raspberries are wanted by mail, add 15c. per doz. for postage.

## STRAWBERRY PLANTS

### (Extra Strong Layers)

**EARLY VARIETIES.—Early Jersey Giant, Premier, Senator Dunlap.**

**MID SEASON VARIETIES.—Big Joe, William Belt.**

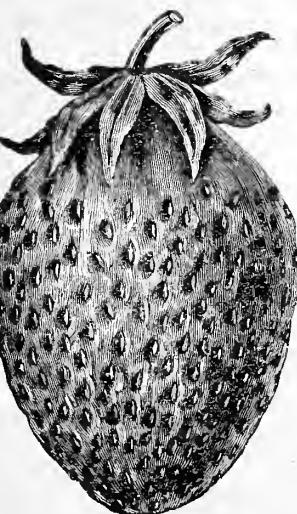
**LATE SEASON VARIETIES.—Gandy, Stevens' Late Champion.**

Price of the above, 75c. per doz.; 25 for \$1.00; \$1.50 for 50; \$2.00 per 100; per 1000, \$17.50.

We can also supply Pot-Grown plants of above varieties at \$1.25 per doz.; per 100, \$7.00; \$60.00 per 1000.

### FALL FRUITING VARIETIES.

**Progressive.** Price. 75c. per doz.; 25 for \$1.00; \$1.50 for 50; per 100, \$2.75; \$6.00 for 250; per 1000, \$22.50.



Pot-Grown plants of Progressive, \$1.35 per doz.; per 100, \$8.00; \$70.00 per 1000.

If layer Strawberry Plants are wanted by mail, add 5c. per doz. and 15c. per 100 for mailing charges. Pot-Grown Plants can best be shipped by express.

**Shipping Seasons** for small fruits are from October till freezing weather and from March 25th to May 15th.

## CHOICE FRUIT TREES

### (Extra Strong Stock)

These can be shipped by express only.

## APPLES

**Baldwin.** Large round, deep red, late variety.

**Ben Davis.** A late keeper; handsome striped fruit.

**Fall Pipin.** Large, yellow, rich and delicious. A good bearer when it reaches maturity. Likes a moist, well-drained soil; a good Autumn apple.

**Grimes' Golden.** Deep golden yellow; fine for Christmas.

**Hyslop (Crab).** Deep crimson with blase bloom.

**Red Astrachan.** An old popular variety; tart, juicy, flesh tinged with red; very early.

**Stayman's Winesap.** Fine variety; good keeper; deep red on a yellow ground.

**Transcendent (Crab).** Yellow, striped red; good yielder.

Price of Apple Trees: 6 to 8 feet high, \$1.75 each; 6 for \$9.00; \$15.00 per dozen.

## CHERRIES

**Black Tartarian (Sweet).** Large, purplish black; immense bearer.

**Earl Richmond (Sour).** Dark red; medium size; splendid flavor.

**Large Montmorency (Sour).** Light red; very productive.

**Schmidt's Bigarreau (Sweet).** A good late variety. Fruit large; flesh dark red, very firm; sweet, rich and of good quality.

**Napoleon (Royal Ann).** The best and most profitable yellow sweet cherry. Flesh very firm, juicy and delicious.

Price of Cherry Trees: 5 to 7 feet, \$2.00 each; 6 for \$9.00; \$15.00 per dozen.

## PEACHES

**Belle of Georgia.** Free-stone; rich creamy white, red cheek.

**Carman.** Early; pale yellow, red blush; very fine.

**Champion.** August. A magnificent white peach; extremely rich and juicy; very popular. Should be included in every home orchard. Free-stone.

**Crawford's Late.** Greenish yellow with dull red cheek; late.

**Elberta.** Medium; very large; yellow with red cheek.

**Fox Seedling.** Late September. Skin and flesh white. Free-stone. Fruit large and of high quality.

Price of Peach Trees: 5 to 6 feet, \$1.25 each; 6 for \$6.00; \$10.00 per dozen.

## PEARS

**Bartlett.** Yellow, shaded blush; very sweet and juicy; early.

**Kieffer.** A fine variety for late autumn, and for canning.

**Lawrence.** Canary yellow; sweet and a splendid keeper.

**Seckel.** Small; yellowish brown; very sweet and juicy.

Price of Pear Trees: 5 to 7 feet, \$2.00 each; 6 for \$10.50; \$17.50 per dozen.

## PLUMS

**Abundance.** Amber, turning to a rich, bright cherry color.

**Burbank.** Orange yellow, overlaid red; rich and sugary.

**Imperial Green Gage.** Middle of August. A delicious, good-sized free-stone, sweet and juicy. Greenish in color.

Price of Plum Trees: 5 to 6 feet, \$2.00 each; 6 for \$10.50; \$17.50 per dozen.

## QUINCES

**Champion.** Very prolific bearer; large fruit.

**Orange.** Round; golden yellow; fine for preserving.

Price of Quince Trees: 4 to 5 feet, \$2.00 each; 6 for \$10.50; \$17.50 per dozen.

**NOTE.**—We can also supply all other varieties of Fruit Trees.

# 52 MICHELL'S SEASONABLE VEGETABLE SEEDS, ETC.

A complete offering will be found in our General Catalog that was issued in January; copy may be had on request.

## WE PAY POSTAGE AND PACKING CHARGES

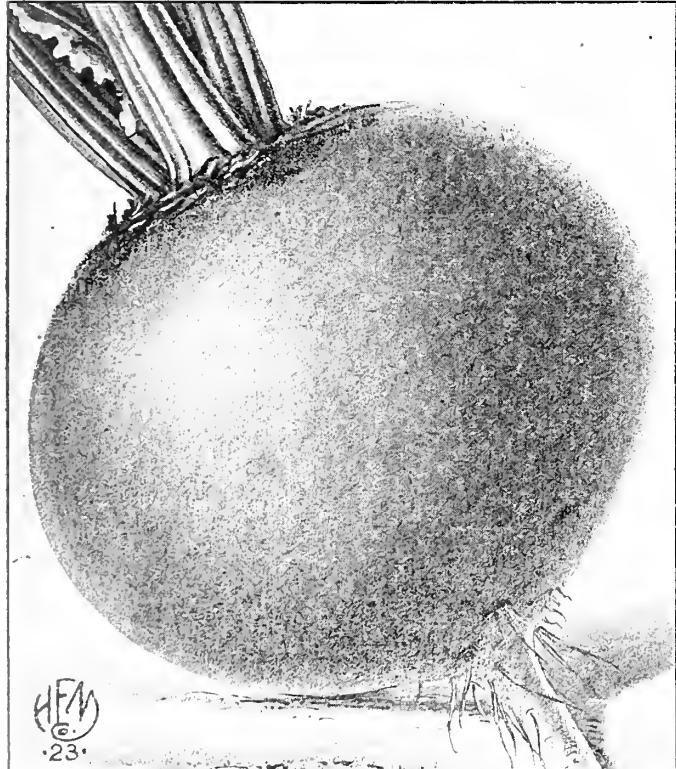
(Except as noted)

on all orders for vegetable and flower seeds, provided the order calls for packets, ounces, quarter-pounds and pounds (beans, corn, peas and mixed grass seeds are **not included**), or such other seeds where mention is made in catalogue. If these seeds are wanted by mail, remit for postage. (Consult your post office for weight limits.)

## BEANS FOR FORCING

**Masterpiece.** A long, flat podded variety, especially adapted for growing under glass; quick grower; very tender. Pkt., 15c.; 75c. per lb.; 2 lbs., \$1.40; \$3.00 per 5 lbs.; 10 lbs., \$5.50.

**Triumph of the Frames.** Splendid for forcing under glass, producing a narrow, tender pod of considerable length. Per pkt., 15c.; 60c. per lb.; 2 lbs., \$1.10; \$2.50 per 5 lbs.



Beet, Detroit Dark Red (Special Strain)

## BEET (Table Varieties)

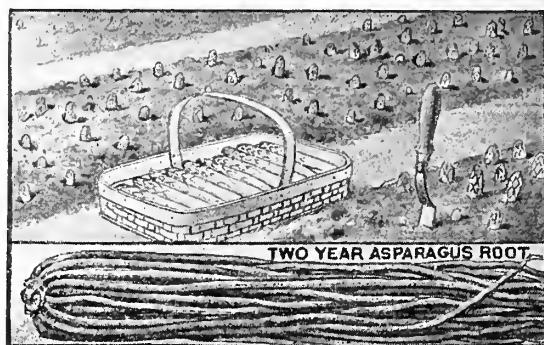
	Pkt.	Oz.	1/4 lb.	Lb.
Arlington Favorite Blood (Turnip)...	\$0.10	\$0.15	\$0.50	\$1.35
Bassano Extra Early (Turnip).....	.10	.15	.50	1.25
Bastian's Extra Early (Turnip).....	.10	.15	.50	1.25
Bastian's Half Long Blood.....	.10	.15	.50	1.25
Crimson Globe (Michell's Improved).....	.10	.15	.50	1.25
Crosby's Egyptian (Turnip).....	.10	.15	.50	1.25
Detroit Dark Red (Turnip).....	.10	.15	.50	1.25
Detroit Dark Red (Special Strain)...	.10	.25	.70	2.25
Eclipse Extra Early (Round).....	.10	.15	.50	1.25
Lentz Early.....	.10	.15	.50	1.25
Michell's Ideal.....	.10	.20	.65	2.00
Michell's Winter Keeper.....	.10	.35	1.10	3.50

## CAULIFLOWER (Varieties Suitable for Forcing)

**Michell's Earliest Snowstorm.** Colossal pure white heads averaging often 10 inches in diameter. Pkt., 25c.; 50c. per large pkt.; 1/4 oz., \$1.00; \$1.75 per 1/2 oz.; 1 oz., \$3.00.

**Michell's Special Strain Selected Erfurt.** One of the earliest in cultivation; small leaved; splendid forcer. Pkt., 25c.; 50c. per large packet; 1/4 oz., 85c.; \$1.50 per 1/2 oz.; oz., \$2.75.

**Early Snowball.** A splendid early variety. Pkt., 25c.; 50c. per large pkt.; 1/4 oz., 85c.; \$1.50 per 1/2 oz.; per oz., \$2.75.



## ASPARAGUS ROOTS

(Ready after October 15th)

4,000 to 6,000 roots are required for an acre.

Asparagus roots are planted quite extensively during the autumn and invariably give good results.

	2-Year-Old Roots			3-Year-Old Roots		
	Doz. 100	1000	Doz. 100	1000		
Barr's Mammoth.....	\$0.35	\$1.75	\$12.50	\$0.45	\$2.25	\$17.50
Conover's Colossal.....	.35	1.75	12.50	.45	2.25	17.50
Giant Argenteuil.....	.35	1.75	12.50	.45	2.25	17.50
Palmetto or Eclipse....	.35	1.75	12.50	.45	2.25	17.50
Washington (New)....	.75	3.50	30.00			

## FORCING CARROTS

**Early Half Long Scarlet.** A very desirable stump-rooted variety of fine flavor and good color. Pkt., 10c.; 15c. per oz.; 50c. per 1/4 lb.; per lb., \$1.50.

**Oxheart or Guerande.** An early forcing variety; small roots, not over 3 to 4 inches long. Pkt., 10c.; 15c. per oz.; 1/4 lb., 50c.; \$1.50 per lb.

**Rubicon Half Long.** Excellent shape and well adapted for early forcing. Pkt., 10c.; 15c. per oz.; 1/4 lb., 50c.; \$1.50 per lb.

**Very Early Short Horn Scarlet or French Forcing.** An early forcing variety; small round root, not much larger than a radish. It may be sown outdoors as well as under glass. Pkt., 10c.; 20c. per oz.; 1/4 lb., 65c.; \$2.25 per lb.

## CORN SALAD (Fetticus)



Principally sown for a supply of greens during winter and early spring. Sow in September broadcast; when cold weather approaches, cover with leaves or long manure or straw; upon approach of spring the covering can be taken off. It can also be gathered on mild days during winter.

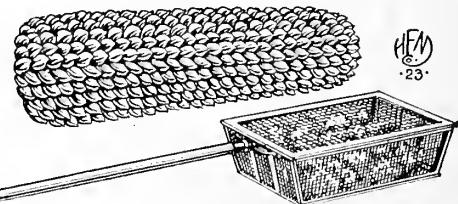
**Large Leaved, Round Seeded.** 5c. per pkt.; large pkt., 10c.; 15c. per 1/2 oz.; oz., 25c.; 65c. per 1/4 lb.; lb., \$2.00.

## POP CORN (Shelled)

Our pop corn will be found in excellent condition for popping.

**Golden Queen.**  
**White Rice.**  
15c. per lb.; 3 lbs., 40c.

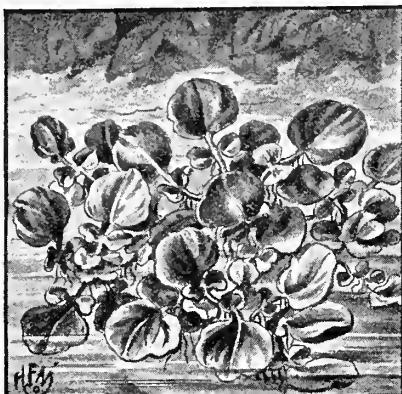
**Corn Poppers**  
1 qt. size, 25c. each; 2 qt. size, 35c. each.



## WATER CRESS

This may be grown on a greenhouse bench just as successfully as along a stream of water, and a continuous crop may thus be assured regardless of weather conditions. Nothing can compare for flavor with the delicious tenderness of young Water Cress.

**True Erfurt.** Pkt., 10c.; 25c. per  $\frac{1}{2}$  oz.; oz., 50c.; \$1.50 per  $\frac{1}{4}$  lb.



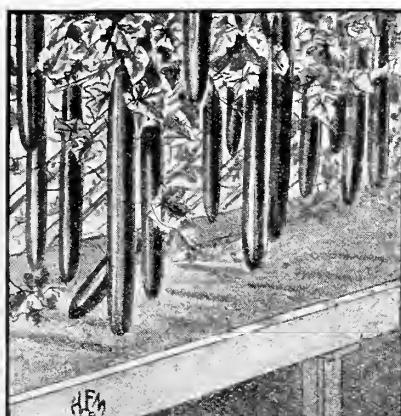
Water Cress

## ENGLISH CUCUMBERS

These are splendid for growing in hotbed frames during the summer months, in preference to the open garden ground. They

may also be grown under glass in greenhouses during the winter, producing enormous fruits, generally 18 to 24 inches long and 3 inches in diameter. They have a delicate flavor and possess very few seeds; for slicing, no other sorts can approach them.

**Lockie's Perfection, Sion House, Telegraph, Tender and True.** Per packet of 12 seeds of either of the 4 sorts above, 25c. per pkt.; 100 seeds, \$1.75.



English Greenhouse Cucumbers

## KALE OR BORECOLE

**One ounce will sow a drill 150 ft. long; 3 lbs. will sow an acre.**

When desired for winter use, sow in September, broadcast or in rows 2 ft. apart. Cover for protection against severe freezing and snow. Do not handle while in a frozen condition.

**Dwarf Green Curled.** This variety is very compact growing; color dark green; very curly. Pkt., 10c.; 15c. per oz.;  $\frac{1}{4}$  lb., 40c.; \$1.25 per lb.

**Imperial Long Standing.** The leaves are very crimped and of a dark green color. Is quite tall, and an excellent producer. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 40c. per  $\frac{1}{4}$  lb.; lb., \$1.25.

**Siberian.** A very hardy variety; leaves large and cook very tender. Pkt., 10c.; 15c. per oz.;  $\frac{1}{4}$  lb., 40c.; \$1.25 per lb.

## FORCING MELONS (English Varieties)

Forcing melons can be grown successfully outside in hotbeds. Sow seed in pots in March and transplant to hotbed when three leaves have developed; these will ripen fruit in June and July. For indoor use treat same as forcing cucumbers.

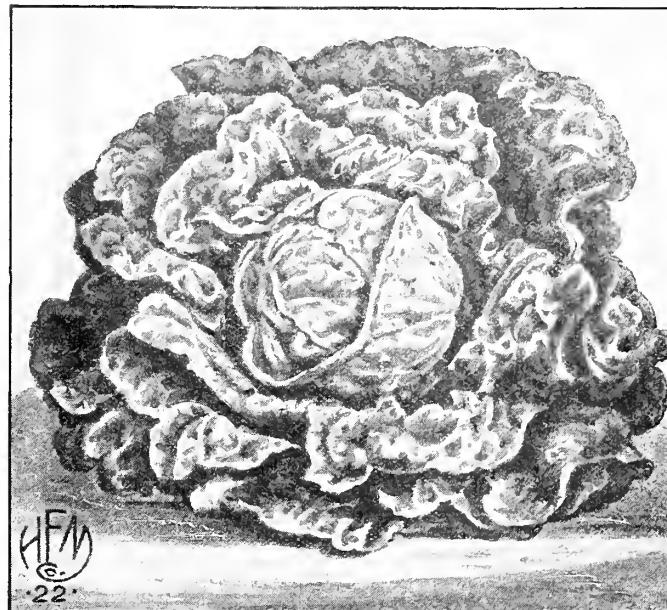
**Blenheim Orange.** A handsome, scarlet fleshed variety of delicious flavor and beautifully netted. Pkt., 30c.

**Invincible Scarlet.** Form globular; skin orange red when perfectly ripe; finely and evenly netted; thick, bright scarlet flesh of exquisite flavor. Pkt., 30c.

**Sutton's A 1.** Fruits large, globular and densely netted. Flesh thick, of a rich scarlet color and of a delicious flavor. Original pkt., \$1.25.

**Windsor Castle.** A green fleshed variety of excellent quality. Oval in form, large size and handsomely netted on a dark green ground; flesh thick and of a pale green color. Pkt., 30c.

**MELON NETS.** For supporting forcing melons in greenhouses; made very strong, will last for a number of crops. \$2.25 per doz.; per 100, \$17.00.



Lettuce, Boston Market

## LETTUCE (Heading Varieties)

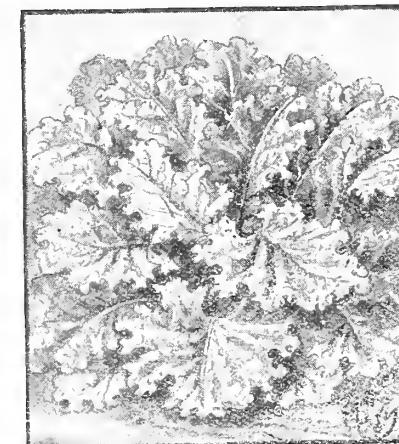
	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
All Heart	\$0.10	\$0.25	\$0.60	\$2.00
All Right (Michell's)	.10	.25	.60	2.00
Big Boston	.10	.25	.60	2.00
Boston Market	.10	.25	.60	2.00
Davey's Improved Big Boston	.10	.30	.70	2.50
Dutch Butter (Private Stock)	.10	.25	.60	2.00
Hanson Improved	.10	.25	.60	2.00
Iceberg	.10	.25	.60	2.00
Kingsholm Cos or Romaine	.10	.25	.60	2.00
May King	.10	.25	.60	2.00
Michell's Number One	.10	.25	.60	2.00
New York or Wonderful	.10	.30	1.00	3.25
Prize Head	.10	.25	.50	2.00
Salamander (Mammoth)	.10	.25	.60	2.00
Unrivaled	.10	.30	.70	2.50
Way-a-head	.10	.25	.60	2.00

## LETTUCE (Loose Leaf Varieties)

	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
Black Seeded Simpson	\$0.10	\$0.25	\$0.60	\$2.00
Early Curled Simpson	.10	.25	.60	2.00
Grand Rapids	.10	.25	.60	2.00
Silesian	.10	.25	.60	2.00

## MUSTARD

One ounce will sow a row 75 feet long. It makes a delicious green salad, pungent in taste, highly palatable and healthy. Sow every two weeks in rows the same as spinach. It must be used while young, as only then is it tender and mild. Fine winter greens if sown in a heated frame or greenhouse; also fine if served with lettuce for flavoring.



## Southern Giant Curled.

The best of the curled mustards; of sweet flavor; matures very early and produces abundant foliage. Pkt., 10c.; 15c. per oz.;  $\frac{1}{4}$  lb., 40c.; \$1.00 per lb.

**White or Yellow.** Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 35c. per  $\frac{1}{4}$  lb.; lb., 85c.

# MICHELL'S MUSHROOM SPAWN

## PURE SPORE CULTURE SPAWN

The growing of Mushrooms is rapidly increasing, and the demand for them has reached immense proportions. A fine crop of mushrooms can be secured with very little labor or expense, provided a suitable location can be obtained. Cellars, greenhouses and sheds can be used for their culture.

We are now prepared to offer our customers spawn that is made in quart milk jars under absolutely sterile conditions. The bottle and materials are sterilized under steam pressure of twelve lbs., so that every mould, weed seed, or insect is destroyed and each bottle contains nothing but the pure spawn. Every particle is full run, covered with spawn grown direct from the spores. One carton of the spawn equals 5 bricks of ordinary spawn and is sufficient to spawn about 40 square feet. It is less expensive than brick spawn and assures the amateur absolute success, always giving a crop if the beds are made properly. The sterile spawn is dried thoroughly and each piece wrapped in tissue paper, which contains full instructions, not only as to how the spawn should be used, but full particulars about growing mushrooms. Any one can order spawn and with it get the necessary knowledge to make growing entirely successful.

### PRICES

Per carton.....	\$1.00	25 cartons.....	\$22.50
12 cartons.....	10.75	60 cartons.....	48.00

If wanted by mail, allow 10c. per carton for postage



1. How spore spawn is made and prepared for sterilizing.

2. The spore product finished, ready for packing in cartons.

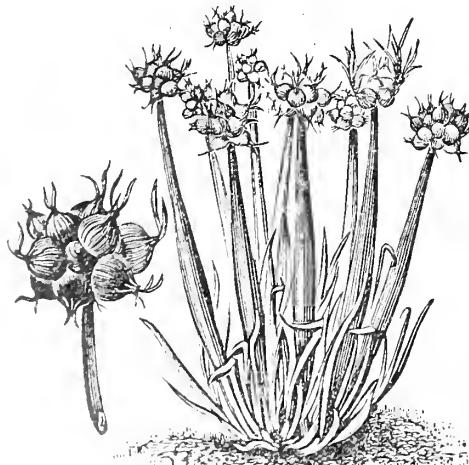
3. The wrapped spore spawn in round cartons where it will remain fresh almost indefinitely.

## PURE CULTURE BRICK SPAWN

If wanted by mail, allow for postage at the rate of 10c. per brick.

A crop is produced with good spawn, and a little care and patience in about 4 to 6 weeks, and continues bearing about two months. New beds can be started at intervals which will give a supply the entire season. The first planting can be made in July, the last in March. Summer spawned beds do not bear well. Ask for our Free Booklet on Mushroom Culture. One Brick will spawn 8 to 10 sq. ft.

Direct No. 8. Cream White. For use from April to October.  
 Direct No. 9. Pure White. For use from October to April.  
 Per Brick..... \$0.35 | Per 10 Bricks..... \$2.75  
 Per 5 Bricks..... 1.50 | Per 25 Bricks..... 6.50  
 Per 50 Bricks..... \$12.50



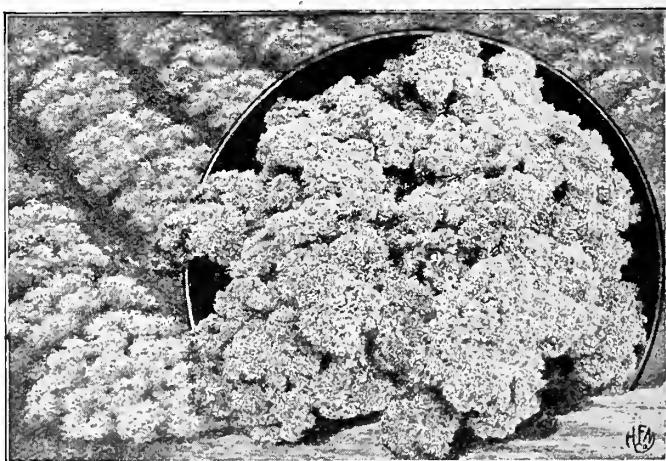
Tree or Top Onions

## ONION SETS

**Tree or Top.** Should be planted in September for early spring use; they are perfectly hardy. 28 lbs. per bushel. Per qt., 25c.; 80c. per 4 qts.; peck, \$1.35; \$4.25 per bushel.  
**White.** 32 lbs. per bushel. .... } Prices will be quoted  
**Yellow.** 32 lbs. per bushel. .... } on application.

## MUSHROOM OR HOTBED THERMOMETERS

Heavy Galvanized Iron Point. Each, \$2.00 (by Mail, \$2.15).  
 Brass Point Wood Case Paper Scale. Each, \$1.50 (by Mail, \$1.60).  
 Thermometers should, wherever possible, be sent by express. We do not guarantee safe arrival if forwarded by parcel post.



Double Curled Parsley

## PARSLEY

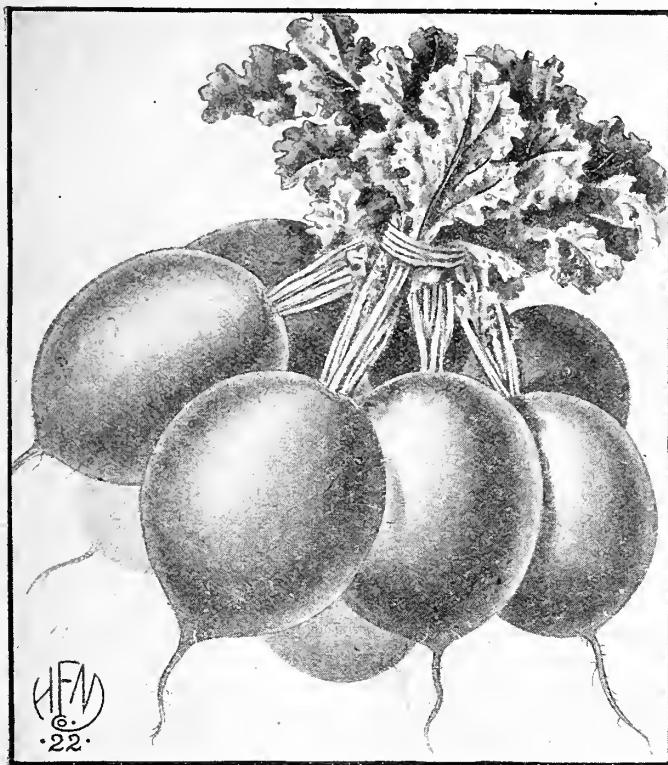
### One ounce will sow a row 100 feet long.

After soaking the seed for a few hours in warm water, it should be sown in rows 18 inches apart, and when 2 inches high thinned out so the plants will stand 4 inches apart in the row. It takes parsley seed from 3 to 6 weeks ordinarily to germinate, so that a little patience in growing this is necessary. Parsley can be continued over winter, if given a heavy covering of long manure.

**Champion Moss Curled.** Beautifully crimped and curled. Pkt., 5c.; 10c. per large pkt.; oz., 15c.; 45c. per  $\frac{1}{4}$  lb.; lb., \$1.25.

**Double Curled or Covent Garden.** A great improvement over all other varieties; nicely curled leaf. Pkt., 10c.; 20c. per oz.;  $\frac{1}{4}$  lb., 60c.; \$1.50 per lb.

**Hamburg or Rooted.** The fleshy roots are used for flavoring soups, stews, etc. Pkt. 10c.; 15c. per oz.;  $\frac{1}{4}$  lb., 45c.; \$1.25 per lb.



Radish, Scarlet Globe (Special Forcing)

### RADISH (Early Varieties)

	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
Early French Breakfast	\$.10	\$.15	\$.45	\$1.25
Early Scarlet Globe (Special Forcing)	.10	.25	.65	2.25
Icicle (Improved Strain)	.10	.15	.50	1.50
Long Scarlet Short Top	.10	.15	.45	1.25
Round Red Forcing	.10	.15	.45	1.25
Scarlet or Cardinal Globe (Improved Strain)	.10	.20	.60	2.00
Scarlet Turnip, White Tipped	.10	.15	.45	1.25
White Box, Felton's (Private Stock)	.10	.15	.45	1.25

### RADISH (Summer and Winter Varieties)

	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
Celestial or White Chinese	\$.10	\$.15	\$.45	\$1.25
China Rose	.10	.15	.45	1.25
Half Long Black	.10	.15	.40	1.00
White Strasburg	.10	.15	.45	1.25

### RHUBARB ROOTS (Ready in October)

Rhubarb is as readily obtainable in winter as in spring. The clumps, which should be at least four years old, should be planted in good garden soil in a cool cellar, preferably as dark as possible. Where practicable, a barrel or a peach basket, either without a bottom, should be placed over each root to draw the top up. Does extra well under greenhouse benches. Place the roots as close as possible. When spring approaches and rhubarb is obtainable outdoors the clumps may be planted out for use another season. The roots should always be subjected to a slight frost before planting indoors.

**Victoria, First Size Roots.** 15c. each (by mail, 20c.); doz., \$1.50; \$10.00 per 100.

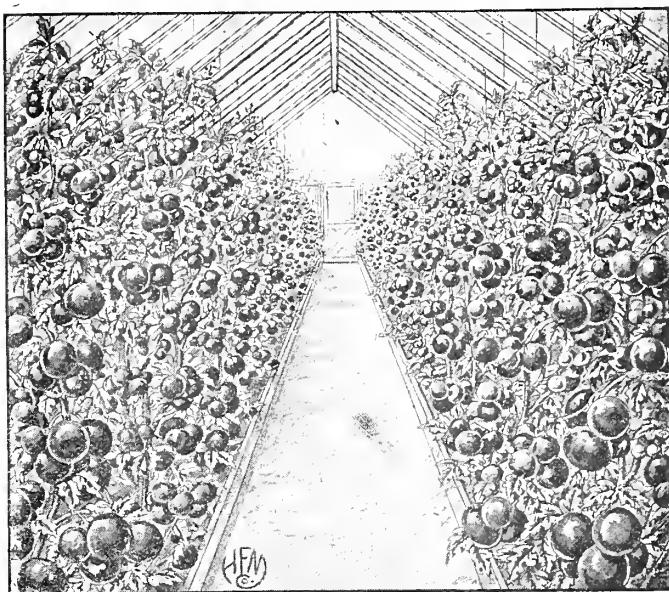
**Victoria, Mammoth Roots.** For forcing, or outdoor planting. 35c. each (not mailable); doz., \$3.50; \$6.25 for 25; 100, \$22.50.

### SPINACH

**Bloomsdale Round Seeded Savoy (Improved Strain).** A hardy variety; curled and crimped, thick fleshy leaves; the best for early spring and fall sowing. Per oz., 10c.; 20c. per  $\frac{1}{4}$  lb.; lb., 65c.; \$3.00 for 5 lbs.

**Long Season.** Produces large plants and leaves which are strong and robust. The leaves are curled and tender. Per oz., 10c.; 20c. per  $\frac{1}{4}$  lb.; lb., 65c.; \$3.00 for 5 lbs.

**Market Gardener's (New).** Leaves broad, heavy, dark green and glossy; excellent quality. 10c. per oz.;  $\frac{1}{4}$  lb., 30c.; \$1.00 per lb.; 5 lbs., \$4.50.



Tomatoes Growing in Greenhouse

### TOMATOES (Adapted for Forcing)

**Michell's Cracker Jack.** One of the best for forcing. Fruits are of medium size and of a brilliant, rich scarlet color. Per pkt., 10c.;  $\frac{1}{2}$  oz., 30c.; 50c. per oz.;  $\frac{1}{4}$  lb., \$1.75.

**Sutton's Best of All.** The seed we offer is grown from Sutton's original stock. Fruit medium size, intense red and contains but few seeds. Pkt., 10c.; 30c. per  $\frac{1}{2}$  oz.; oz., 50c.

**Comet.** Large clusters of medium size fruit of the brightest red. Pkt., 10c.; 30c. per  $\frac{1}{2}$  oz.; oz., 50c.

**Sutton's Eclipse.** A very smooth fruit, borne singly on plants with little foliage; vermillion red color; original packets, \$1.00.

### TURNIP AND RUTA BAGA

	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
Cow Horn	\$.10	\$.15	\$.30	.85
Early Purple Top, Flat	.10	.15	.30	.85
White Globe (Private Stock)	.10	.15	.30	.85
Snowball	.10	.15	.30	.85
Southern Seven Top	.10	.15	.30	.85
Yellow Aberdeen, Flat	.10	.15	.30	.85
Yellow Globe, or Amber	.10	.15	.30	.85
Ruta Baga, Yellow Purple Top (Private Stock)	.10	.15	.30	.85



Spinach, Michell's Improved Strain Bloomsdale



## MICHELL'S RELIABLE GRASS SEEDS

All Prices subject to  
Market Changes

Our grass seeds are rigidly tested for purity and germination at the growing point, in the laboratories of the United States Department of Agriculture and by ourselves, and will be found of highest average. We make special formulas to suit various soils, climatic and local conditions.

**Quantity to Sow for Lawns;** you cannot sow too much, the more the better, it means a quicker, more satisfactory and more lasting results. On a small scale a quart will usually seed a space of 10 x 10 feet though twice that quantity is better; 6 to 8 or 10 bushels of 20 lbs. per bushel on new ground without grass, is the proper quantity per acre; 1 peck is needed for a space of 1000 square feet;  $\frac{1}{2}$  bushel for a space 2000 square feet; 1 bushel for a space 4000 square feet or say 40 x 100 feet. For Putting Greens we advise 100 lbs. of seed for greens 100 x 100 feet. For Fairways, 8 to 10 bushels per acre. For Pasture and Hay Fields, 6 to 8 bushels per acre, based on a 20 pound bushel.

### MIXTURES FOR LAWNS

**Michell's "Top Notch" Lawn Grass Seed.** The top notch of quality. A perfectly blended combination of quick growing, very compact, fine bladed grasses that will produce a perfect lasting turf in a few weeks. 25 lbs. per bu. 25c. per pt.; qt., 45c.; 85c. for 2 qts.; 4 qts., \$1.50; \$2.75 per pk.; bu., \$10.00; 100 lbs., 37 $\frac{1}{2}$ c. per lb.

**Michell's Green Velvet Lawn Grass Seed.** Produces a perfect turf; composed of close growing, fine leaved hardy grasses. 20 lbs. per bu. 20c. per pt.; qt., 35c.; 65c. for 2 qts.; 4 qts., \$1.25; \$2.25 per pk.; bu., \$8.00; 100 lbs., 37 $\frac{1}{2}$ c. per lb.

**Michell's Evergreen Lawn Grass Seed.** Composed of the finest native and foreign short growing and fine bladed grasses. 20 lbs. per bushel. 15c. per pt.; qt., 30c.; 55c. for 2 qts.; 4 qts., \$1.00; \$1.75 per pk.; bu., \$6.50; 100 lbs., 30c. per lb.

**Michell's Clover Lawn Grass Seed.** The increasing demand for a grass seed mixture, containing a larger proportion of White Lawn Clover induced us to offer this brand; mixed with a liberal quantity of the best recleaned White Clover, which is peculiarly suited to take firm hold and grow quickly on hard or worn-out spots which sunburn easily. Splendid for seashore lawns. 30 lbs. per bu. 30c. per pt.; qt., 50c.; 90c. for 2 qts.; 4 qts., \$1.75; \$3.25 per pk.; bu., \$12.50; 100 lbs., 40c. per lb.

**Michell's Seashore Lawn Grass Seed.** Contains such grasses as thrive in salt air regions. 20 lbs. per bu. 20c. per pt.; qt., 35c.; 65c. per 2 qts.; 4 qts., \$1.25; \$2.25 per pk.; bu., \$8.00; 100 lbs., 37 $\frac{1}{2}$ c. per lb.

**Michell's Shaded Lawn Grass Seed.** Will produce a perfect sward in the most densely shaded places. 20 lbs. per bu. 20c. per pt.; qt., 35c.; 65c. per 2 qts.; 4 qts., \$1.25; \$2.25 per pk.; bu., \$8.00; 100 lbs., 37 $\frac{1}{2}$ c. per lb.

**Fairmount Park Lawn Seed.** A mixture meeting the requirements of those desiring a moderately priced grass seed. 20 lbs. per bu. Pt., 15c.; 25c. per qt.; 2 qts., 45c.; 75c. for 4 qts.; pk., \$1.50; \$5.50 per bu.; 100 lbs. at 25c. per lb.

**Special Sod Grass Seed.** Produces a heavy sod in a short time. 20 lbs. per bu. Pt., 15c.; 30c. per qt.; 2 qts., 55c.; \$1.00 for 1 qt.; pk., \$1.75; \$6.50 per bu.; 100 lbs. at 30c. per lb.

### MIXTURES FOR LAWNS (Continued)

**Michell's Terrace or Embankment Grass Seed.** This mixture is composed of deep rooting varieties properly blended which will give very satisfactory results. 20 lbs. per bu. 20c. per pt.; qt., 35c.; 65c. for 2 qts.; 4 qts., \$1.25; \$2.25 per pk.; bu., \$8.00; 100 lbs. at 37 $\frac{1}{2}$ c. per lb.

**Southern States Evergreen Lawn Grass Seed.** Made up especially for dry, hot localities; especially suited to the Southern States. 20 lbs. per bu. 15c. per pt.; qt., 30c.; 55c. for 2 qts.; 4 qts., \$1.00; \$1.75 per pk.; bu., \$6.50; 100 lbs. at 30c. per lb.

### MIXTURES FOR PLEASURE GROUNDS

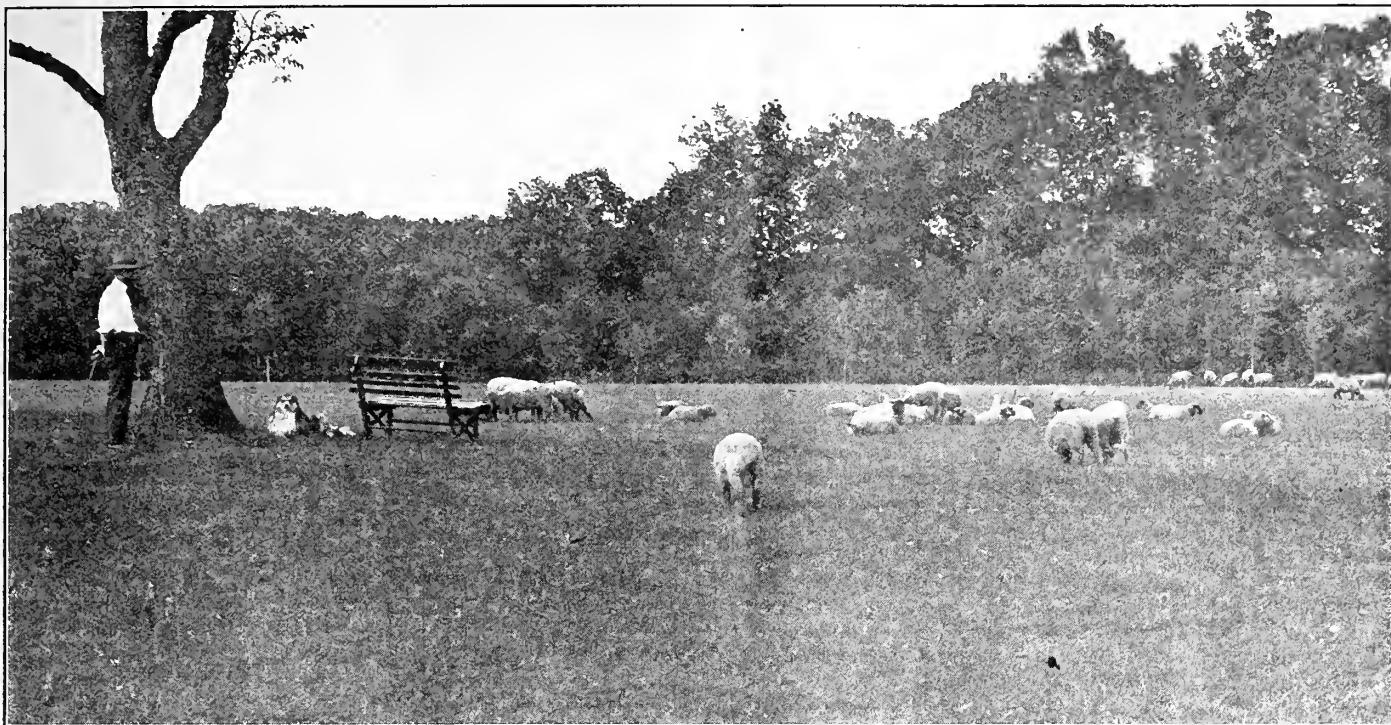
**Michell's Fair Ways (Golf Course) Mixture.** Composed of short-growing, deep-rooted varieties that resist wear. Fairways to retain their permanency should receive additional sowings during the season. 20 lbs. per bu. 15c. per pt.; qt., 30c.; 55c. for 2 qts.; 4 qts., \$1.00; \$1.75 per pk.; bu., \$6.50; 100 lbs. at 30c. per lb.

**Michell's Athletic Field Grass Seed.** A special mixture of deep rooting, fine leaved grasses, especially suited for Baseball, Football and Cricket Grounds. 20 lbs. per bu. Per qt., 30c.; 55c. per 2 qts.; 4 qts., \$1.00; \$1.75 per pk.; bu., \$6.50; 100 lbs. lots and over 30c. per lb.

**Michell's Tennis Court Grass Seed Mixture.** Our mixture will be found particularly adapted for the purpose as grass is coming more into favor on tennis courts. 20 lbs. per bu. 20c. per pt.; qt., 35c.; 65c. for 2 qts.; 4 qts., \$1.25; \$2.25 per pk.; bu., \$8.00; 100 lbs. at 37 $\frac{1}{2}$ c. per lb.

**Michell's Putting Greens Mixture.** A mixture of quick-growing, short, fine-bladed grasses, over which the ball can roll without resistance. We do not recommend less than 100 lbs. to a green, 100 feet square. 25 lbs. per bu.; 35c. per pt.; qt., 65c.; \$1.25 for 2 qts.; 4 qts., \$2.25; \$4.00 per pk.; bu., \$15.00; 100 lbs. at 55c. per lb.

**Michell's Teeing Grounds Mixture.** Used on golf course tees or in other places where a tough resisting turf is wanted. 20 lbs. per bu. Pt., 20c.; 35c. per qt.; 2 qts., 65c.; \$1.25 per 4 qts.; pk., \$2.25; \$8.00 per bu.; 100 lbs. at 37 $\frac{1}{2}$ c. per lb.



## MICHELL'S RECLEANED GRASS SEEDS

### MISCELLANEOUS MIXTURES

**Michell's Permanent Pasture Grass Seed.** This mixture is a combination of hardy grasses which are the most nutritious for stock feeding or grazing. One sowing will last many years, although we advise additional sowing each autumn, just previous to which a light harrowing is recommended to give the grass a quick hold. Sow 4 to 5 bu. per acre on new land or 2 bu. on established pastures. 20 lbs. per bu. Pt., 15c.; 25c. per qt.; 2 qts., 45c.; 85c. for 4 qts.; pk., \$1.50; \$5.50 per bu.; 100 lbs., at 25c. per lb.

**Michell's Permanent Hayfield Grass Seed.** This mixture is gradually being adopted by the progressive farmer. Its main advantages are that certain grasses in this mixture will grow better in varying conditions of soil, thus giving a full crop of hay on land that otherwise might produce but a half crop of timothy and clover. Sow 4 to 5 bu. per acre on new lands or 2 bu. on established fields. 20 lbs. per bu. Pt., 15c.; 25c. per qt.; 2 qts., 45c.; 85c. for 4 qts.; peck, \$1.50; \$5.50 per bu.; 100 lbs. at 25c. per lb.

### GRASSES IN SEPARATE VARIETIES

All Strictly Recleaned and Carefully Tested for Purity and Germination. Prices quoted on application.

**Bermuda Grass.** For sowing as far North as Washington, D. C., above which latitude it is not hardy (35 lbs. per bu.).

**Blue Grass. Fancy Kentucky** (*Poa Pratensis*). Our stock of this is extra fine, thoroughly recleaned; sow 5 to 6 bu. per acre on lawns, 4½ to 5 bu. on pasture fields (14 lbs. per bu.).

**Blue Grass, Canadian** (*Poa Compres*). Makes an ideal pasture, highly relished by cattle; excellent also for sowing on embankments; sow in same proportions as Kentucky Blue Grass Seed (14 lbs. per bu.).

**Creeping Bent** (*Agrostis Stolonifera*). Adapted admirably for lawns, also putting greens, tennis courts, etc.; sow 100 lbs. on a putting green 100 ft. square. (20 lbs. per bu.).

**Crested Dogtail** (*Cynosurus Cristatus*). Excellent as a pasture and lawn grass. Sow 4½ to 5 bu. per acre (21 lbs. per bu.).

**Fescue, Chewing's New Zealand** (*Festuca Chewing's*). Especially recommended for putting greens and lawns (14 lbs. per bu.).

**Fescue, Creeping** (*Festuca Rubra*). Very valuable for sowing on sandy soil and in shaded places; also on putting greens (14 lbs. per bu.).

**Fescue, Fine Leaved** (*Festuca Tenuifolia*). This grass is especially valuable for dry soils. Sow 5 bu. per acre (14 lbs. per bu.).

**Fescue, Hard** (*Festuca Duriuscula*). A splendid grass for golf links, tennis courts, etc.; will resist droughts. Sow 6 to 7 bu. per acre (12 lbs. per bu.).

### GRASSES IN SEPARATE VARIETIES (Continued)

**Fescue, Meadow** (*Festuca Pratensis*). Sow 100 lbs. per acre (22 lbs. per bu.).

**Fescue, Red** (*Festuca Rubra*). Valuable for putting greens; also for sowing on sandy soil and in shaded places (14 lbs. per bu.).

**Fescue, Sheep's** (*Festuca Ovina*). This makes an excellent grass for sowing on lawns, fields or pleasure grounds. Sow 6 to 7 bu. per acre (12 lbs. per bu.).

**Herd or Red Top, Fancy Recleaned.** This is one of the best grasses for sowing for immediate effect. Our stock is free from chaff and is absolutely pure. Sow 35 lbs. per acre (32 lbs. per bu.).

**Herd or Red Top, Unhulled** (*Agrostis Vulgaris*). Sow 6 to 8 bu. per acre on lawns, or 5 bu. on pasture lands (10 lbs. per bu.).

**Orchard Grass** (*Dactylis Glomerata*). For early pasturing this is very desirable; also fine for sowing in shaded places. Sow 50 lbs. per acre (14 lbs. per bu.).

**Rhode Island Bent.** For sowing at seashore resorts, on putting greens, tennis courts, etc.; sow 100 lbs. on a putting green 100 ft. square. (14 lbs. per bu.).

**Rough Stalked Meadow.** (*Poa Trivialis*). A splendid grass for shady places. Sow 100 lbs. per acre. (14 lbs. per bu.).

**Rye Grass, English or Perennial** (*Lolium Perenne*). (*Pacey's Fancy Short Seeded*.) This makes the quickest returns in growth of any grass; is deep rooted and is readily established. Sow 5 bu. per acre (24 lbs. per bu.).

**Rye Grass, Italian** (*Lolium Italicum*). Very desirable for pasture; it comes to maturity the first season; the ideal seed for southern lawns in winter. Sow 100 lbs. per acre (18 lbs. per bu.).

**Sudan Grass Seed** (*Annual*). This belongs to the forage crops and is allied to the millets. Sow 16 to 24 lbs. per acre.

**Sweet Vernal** (*Annual*). 5 lbs. per acre with other grass.

**Sweet Vernal** (*Perennial*). 5 lbs. per acre with other grass.

**Timothy** (*Phleum Pratense*). Sow one-half bu. per acre alone (45 lbs. per bu.).

**Wood Meadow** (*Poa Nemoralis*). The best grass for sowing under trees where a lawn is desired. Sow 75 lbs. per acre (14 lbs. per bu.).

### WHITE DUTCH LAWN CLOVER

Splendid for sowing among grass on lawns and other places where a thick, quick growth is desired; especially adapted for seashore lawns. Prices: 5c. per pkt.; oz., 10c.; 25c. per ¼ lb.; ½ lb., 45c.; 85c. per lb.; 5 lbs., \$4.20; \$8.20 for 10 lbs.; per bu. (60 lbs.), \$48.00; \$80.00 per 100 lbs.

# MICHELL'S HIGH GRADE FARM SEEDS

PRICES SUBJECT TO MARKET CHANGES



Crimson Clover

## CLOVERS

**Alfalfa or Lucerne** (*Medicago Sativa*). This is sown during May, August and September. Careful preparation of the soil previous to sowing is the main thing. Our special Circular on Alfalfa explains this fully, and is free for the asking. Sow not less than  $\frac{1}{2}$  bushel (30 lbs.) per acre preferably with no other crop. Our seed will give the best of results. **Choice Non-Irrigated Western Grown Seed.** Price on application.

**Alfalfa (Grimm Strain).** Claimed to be hardy in any and all regions; a heavy yielder and of deeper rooting ability than the above. It requires about 10 lbs. of Grimm Alfalfa to properly seed an acre on account of its great root system and spreading habit. Price on application.

**Alsike or Swedish Clover** (*Trifolium Hybridum*). One of the best for mixing with timothy; perfectly hardy in every climate or soil condition; grows from 1 to 2 feet high. Sown early in the spring or late summer and early autumn. It is as nutritious as red clover and is rapidly coming to the front as a valuable farm crop. Sow 10 to 15 lbs. per acre alone or 8 lbs. per acre with timothy. Price on application.

**Bokhara or Sweet Clover** (*Melilotus Alba*). Used either as a feed crop or as a fertilizer to plow under. Grows from 3 to 5 feet high, thriving on almost any kind of soil. If you have thin, rocky, hard or sour soil, which you wish to enrich, this is just the crop for you to grow. It will make two hay crops the first year. **We handle only the true, white flowered variety.** Sow 15 lbs. per acre in early spring alone, or 10 lbs. per acre with other crops. Price on application.

**Crimson Clover** (*Trifolium Incarnatum*). This is used principally for soiling or green manuring, for which purposes it is highly valuable. If desired for feed, cut it just before it flowers. When desired for green manure, it should be allowed to mature; its height is from 1 to 2 feet. Sow any time from April to October, the earlier the better, 20 lbs. to the acre. Price on application.

**Hubam (Sweet Clover).** A new strain of annual white flowering clover. One of the best fertilizing plants, and a wonderful hay and pasture crop. Sow 12 pounds per acre broadcast or 3 pounds in cultivated rows early in the spring. Price (subject to change), scarified seed, 50c. per lb.; 5 lbs., \$2.40; \$4.50 per 10 lbs.; 25 lbs., \$10.00; \$37.50 per 100 lbs.

**Mammoth Red Clover** (*Trifolium Pratense Perenne*). This differs from the "Medium," being of a ranker growth and yielding more fodder per acre. It ripens somewhat later and is more hardy, lasting several seasons longer than the medium red clover. Sow in early spring or in July and August, using 20 lbs. per acre alone, or with other crops 10 lbs. per acre. Price on application.

## CLOVERS—(Continued)

**Red Clover, Medium** (*Trifolium Pratense*). More widely known and used than any other; used principally for hay purposes. Height from 18 inches to 2½ feet. Sow early in the spring or in late summer—July and August; if alone, 20 lbs. per acre; if with other crops, 10 lbs. per acre. It is not hardy for a period of years, being usually resown every third season. Flowers pink. Price on application.

**White Dutch or Lawn Clover** (*Trifolium Repens*). This is valuable for pasturage as well as for lawns; it succeeds where other clovers and grasses fail, and it seldom dies out. It can be sown at all seasons, although early spring is best; flowers greenish white. Sow 10 to 12 lbs. per acre if alone or 5 lbs. if sown on old turf or with other crops. Pkt., 5c.; 10c. per oz.;  $\frac{1}{4}$  lb., 25c.; 45c. per  $\frac{1}{2}$  lb.; 1 lb., 85c.; \$4.20 per 5 lbs.; 10 lbs., \$8.20; \$48.00 per bush. (60 lbs.); 100 lbs., \$80.00. **Prices on White Clover subject to change.**

## DWARF ESSEX RAPE

An excellent green food for pasturing sheep and hogs. Sow 6 lbs. per acre broadcast or in drills from April 1st to October 1st. Price on application.

## WINTER RYE

**Pennsylvania Large White.** Sow 1 to 1½ bushels per acre during fall. An excellent green food in spring, and may be used for turning under or harvesting. Winter rye will not mature if sown in spring. Price on application.

**Rosen.** A new strain; very long, stiff straw; large yielder, producing almost 50 per cent. more than ordinary rye. Price on application.

## RECLEANED TIMOTHY

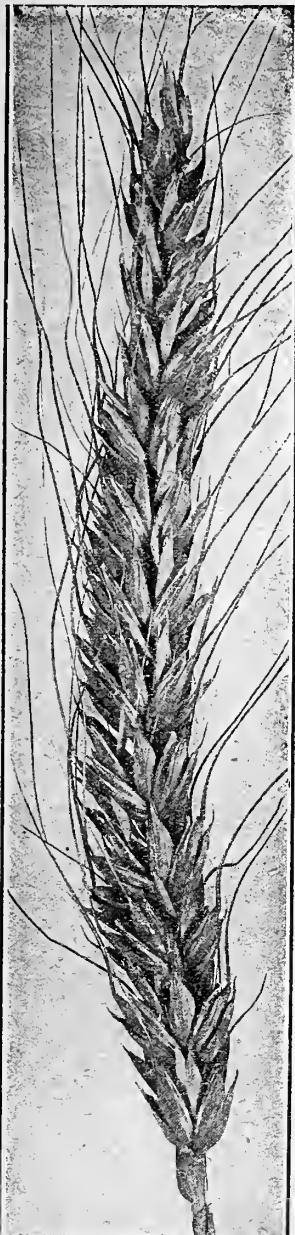
Our stock is of very best quality; for sowing among wheat as a second-year hay crop or for sowing alone for a first-year hay crop this is extensively used. Sow  $\frac{1}{2}$  bu. per acre alone or 8 to 10 qts. with wheat. 45 lbs. per bushel. Samples and quotations on request.

## WINTER VETCH (*Vicia Villosa*)

Our stock of this is the true type, which will absolutely live throughout the winter. There is also an English strain on the market which is not hardy in the Northern section of the United States, and buyers should beware when buying that they procure the right article, which is a small round black seed. It is far superior to Crimson Clover, as it never winter-kills. Sow from August 1st to October 1st, the earlier the better, broadcast, 1 bushel per acre, to which we suggest adding a bushel of winter rye or wheat. In the spring it can be plowed under as green manure, or when in flower, cut for hay. All stock relish it keenly. Price on application.



Winter Vetch



## FOUR-ROWED FULTZ (Beardless)

Four-rowed Fultz has a tendency to produce spikelets composed of four grains of wheat arranged in a row close together. Although the heads are only of medium length, in most cases they contain more wheat than heads of other varieties that are much longer. Four-rowed Fultz is **extremely early**. The berry is of medium size, hard and red in color. Chaff is white. Straw is of medium length, strong and stiff. On rich soils, Four-rowed Fultz will give straw of great length; will stool out wonderfully, making a thick growth.

This variety has numerous records of yield of 40 bushels per acre on average land. On select land as much as 50 bushels per acre has been harvested. Sow 1½ to 2 bushels per acre.

## "FULTZO-MEDITERRANEAN" (Beardless)

This is a cross of the "Fultz" and the old "Mediterranean" Wheats. The berry is short, plump and red. Chaff white and smooth. The heads are of medium length, very compact, well filled and inclined to widen at the top. For earliness or stiffness of straw it cannot be excelled. It stools well and 1½ to 1½ bushels per acre is sufficient to sow. It frequently produces over 40 bushels per acre.

## LANCASTER-FULCASTER (Bearded)

A reselection from the old "Fulcaster" and one of the purest wheats now offered. There are few other varieties that will do quite as well on soils of average quality. Farmers who are not able to raise even fair crops on rather thin soils should sow "Lancaster-Fulcaster." Even under adverse conditions this variety will produce a satisfactory crop of straw and a surprising crop of grain. The grain is of finest quality, a genuine long berry, dark red and hard. The chaff is white and the straw is long and stiff. Lancaster-Fulcaster will carry through extreme winters; will also withstand attacks of insect pests and disease better than any other variety. Sow 1½ to 2 bushels per acre.

## LEAP'S PROLIFIC (Beardless)

A most prolific variety indeed, and may be relied upon to give big crops. It stools out strongly and roots deeply. The grain is large, dark red and of the best milling qualities. The heads are large, the chaff is beautiful white and is without beards. "Leap's Prolific" is one of the earliest to ripen and we recommend it as an all around good variety. Sow 1½ bushels per acre.

## "MIRACLE" (Bearded)

This valuable Wheat was introduced by us in the vicinity of Philadelphia in 1911. It produces a magnificent, heavy growth of straw, which is very stiff and erect. The head is bearded and contains well-shaped, red grains of a semi-hard nature of excellent milling qualities. It is a tremendous stooled, **one grain producing** as many as 25 stalks with often 45 grains to the head or stalk. It is readily seen that this wheat should produce on average conditions an enormous crop, its usual rating being anywhere from 40 to 50 bushels per acre under average conditions. The introducer impressed upon us very forcibly **not to recommend the sowing of more than one half bushels per acre**, as if seeded heavier it is liable to choke itself, on account of its free stooling habit. It is early to mature and produces straw often 5 feet high.

## PENNSYLVANIA 44 (Bearded)

A new variety originating at the Pennsylvania Agricultural Experiment Station and developed from the Fulcaster. Grains red, purple straw, white chaff. It is a few inches taller than Fulcaster, and with stiffer straw. This variety has yielded an average of 35 bushels per acre for the last 8 years. Sow 1½ to 2 bushels per acre.

## PRICE'S WONDER (Bearded)

It bears the **longest heads of any wheat** we know of and thrives under the roughest treatment. It may be sown very late in the fall under the most adverse conditions with every confidence of profitable crops to follow. Our grower says that everything about Price's Wonder is long, long in the berry, long in the straw, very long bearded heads and long in the yield. The grain is hard and dark red, while the chaff is white. The straw is long and stiff. 1¼ to 1½ bushels per acre is all you need to sow.

## IMPROVED TURKEY RED (Bearded)

A greatly improved strain of this valuable variety, brought to its high state of perfection after years of careful selection.

It is considered after careful experiments one of the hardest and best varieties grown. It is a heavy yielder of straw and grain on good soil and even under unfavorable growing conditions has produced excellent results. It is a very vigorous growing variety, withstanding cold weather and resisting the attacks of insect pests and disease to a remarkable degree. This variety produces long straw, with long full heads, well filled with large, flinty grains which are of a red-dish amber color and of excellent milling qualities. This strain is a selection made by the University of Illinois at their experiment Station and is grown extensively in that State. Sow 1½ to 2 bushels per acre.

Prices of Seed Wheat fluctuate constantly and will be quoted on application.

## NITROGEN-GATHERING BACTERIA

THE WONDERFUL FERTILIZER  
FOR LEGUMINOUS CROPS

The following crops are in season for sowing now and should be inoculated:

**ALFALFA, ALSIKE, CRIMSON CLOVER, RED CLOVER, VETCH**

We can also furnish culture for all other legumes. Always specify on your order what crop you want to inoculate, as there is a different strain of bacteria for each legume.

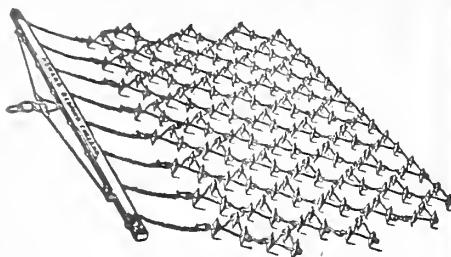
## FARMOGERM

Prices, trial size (for Beans, Peas and Sweet Peas), 50c.; 1-acre size, \$1.00; 3-acre size, \$2.50; 12-acre size, \$9.00.

## MULFORD CULTURES

Prices, trial size (supplied only for Garden Peas, Garden Beans, Lima Beans and Sweet Peas), 35c.; 75c. per ¼ acre size; 1-acre size, \$1.50; \$5.00 per 5-acre size.

# MICHELL'S FARM AND GARDEN ACCESSORIES



## SCOTCH CHAIN HARROW

One of the best implements for pulverizing the surface soil, leveling and smoothing; also splendid for covering grass seed, etc. Used on driveways and race tracks, it smoothes the surface, eliminating ruts and footprints.

No.	Size	Weight	Price
1F. One-horse size, 5 x 6 ft.	126 lbs.	\$40.00	
2F. Medium two-horse, 6 x 7 $\frac{3}{4}$ ft.	236 lbs.	55.00	
3F. Full two-horse size, 9 x 11 ft.	357 lbs.	70.00	

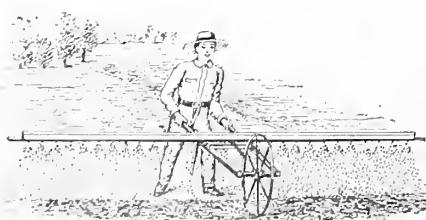


## BROADCAST SEED SOWERS

For accurately sowing Timothy, Clovers, Millets and heavy seeds of grass and other farm crops. Can be regulated to sow any required quantity per acre.

Each

Cahoon	\$6.50
Rittenhouse	2.75



## WHEELBARROW GRASS SEEDER

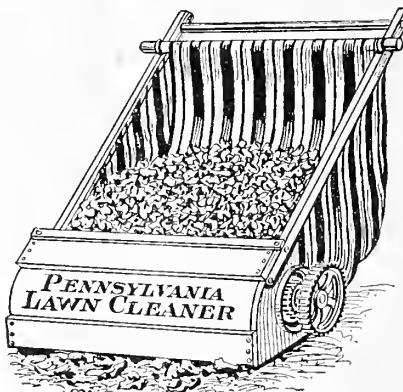
The distributing box is very near the ground, which is an important feature, preventing the seed from blowing away and thus coming up unevenly. No. 9 (especially for Grass Seed), sows a width 14 ft., \$15.00.

## LARK FERTILIZER DISTRIBUTOR

For distributing bone meal, wood ashes and other commercial fertilizers on fields, lawns, golf courses, etc., also for sanding putting greens. Insures perfect and even distribution, requiring less time than by the broadcast hand process.

**Hand Machine.** Holds about 2 bu., covering area 3 feet wide. Nicely finished. Price, \$20.00.

**Horse Machine.** For use on large lawns, fields and golf grounds. It has a device for either one or two horses, as may be desired. 5-ft. 10-in. spreading area, and 8-ft. 3-in. spreading area. Price upon application.



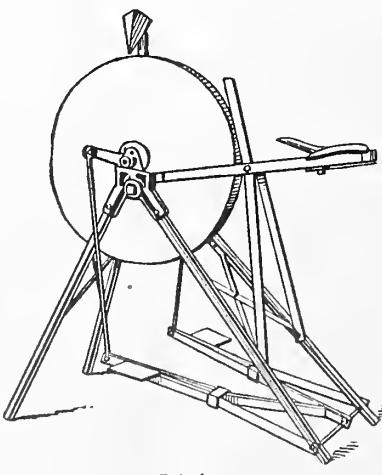
## LAWN AND PUTTING GREEN CLEANER

The flexible rake bars are of wood, with steel springs and teeth; they rotate like a lawn mower cylinder and clean up every particle of leaves, litter or rubbish, throwing it into a receptacle or bag in the rear, which is of large capacity.

24-in. Rake, or Sweeper, \$32.00.  
36-in. Rake only, \$45.00.

Please specify when ordering if wanted for lawn or putting greens.

**Sweeping Brushes.** Can be readily attached to the Rake for sweeping lawns, putting greens, paths, etc. \$8.00 per set of three, when purchased separately. We can also supply the Philadelphia Horse Lawn Sweeper. Price upon application.



(See opposite column)



Keystone Water-Ballast Roller

## KEYSTONE WATER-BALLAST ROLLERS

Fill it with water, which will weight it up to any number of pounds desired, as shown below. Equipped with feature for balancing handles, which always keeps the handle in position ready for use; ball axle bearings.

No.	Sec.	Diam.	Length	Weight		Price
				In.	In.	
601	1	14	21	60	250	\$18.50
602	1	18	24	85	330	22.25
603	1	24	24	100	440	25.75
604	1	24	32	135	590	28.00

## PUTTING GREENS ROLLER

Greens-keepers have found that a roller about 4 feet wide, weighing about 160 pounds, is right; evenly surfaced; will not leave a mark or ridge on the greens. Made of iron in 4 sections. \$30.00.

## KEYSTONE HAND LAWN ROLLERS

Drums are equipped with five spokes; the face is ground smooth and carefully finished. The steel roller bearings are mechanically constructed; the handle is made of steel and hard wood; is equipped with a balance weight, so that it is always in an upright position.

No.	Diam.	Length or Width In.	No. of Sects.	Weight		Price
				Lbs.	Price	
501	15	15	2	175	\$18.40	
502	15	22	3	250	21.85	
504	20	20	2	250	24.15	
507	20	24	2	300	28.75	
508	20	30	3	350	33.35	
509	24	20	2	400	39.10	
511	24	24	3	450	42.55	
512	24	30	3	500	48.30	
514	28	24	3	500	48.30	

## STERLING MOUNTED GRINDSTONE

Substantially made; heavy steel frame with seat and double treadles; fitted with improved ball bearings, of the very best quality, encased so they will keep clean. Stone, 19 to 22 inches diameter, 1 $\frac{3}{4}$  to 2 $\frac{1}{4}$  inches thick. Weight 100 lbs.

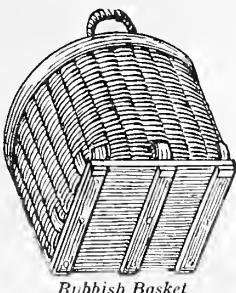
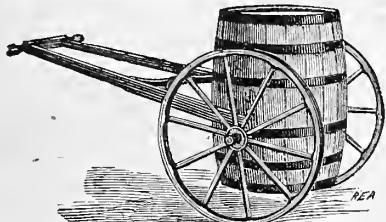
Shipped knocked down, crated. Price, \$11.50. See illustration opposite column.

# MICHELL'S LAWN AND GARDEN ACCESSORIES

61

## RUBBISH BASKETS

A basket for gathering up rubbish and litter will be found a great convenience. This basket holds 3 bushels and can be carried or wheeled on a barrow. Price, with rope handles, \$4.50 each.



## BARREL TRUCKS, ETC.

The price below includes barrel and truck. The latter is constructed so that the barrel may be detached quickly and the leaf rack attached.

2½-inch tire truck, all iron wheels, with barrel..... \$20.50  
3½-inch tire truck, all iron wheels, with barrel..... 21.50  
Extra Barrels, with trunnions, open head..... 6.50

## KEYSTONE LEAF RACKS

This device can be used on wheelbarrows with removable sides. Convenient for gathering leaves, cut grass and rubbish. Has a capacity of 10 bushels; made of galvanized wire, bolted to a wooden base. Price, not including wheelbarrow, \$7.50.



## WOOD LEAF RACKS

Excellent for gathering leaves, litter, grass, etc. They can be attached to a water barrel truck, as shown.

Leaf Rack only, no truck..... \$8.00  
Leaf Rack with 2½-inch tire truck..... 22.00  
Leaf Rack with 3½-inch tire truck..... 23.00  
Truck with 3½-inch tire wheels, no rack or barrel..... 15.00

## RUBBISH CONSUMERS

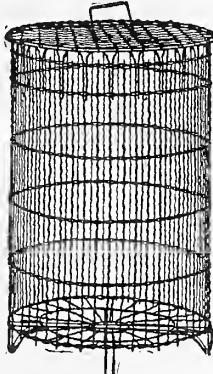
Made of galvanized wire; an indispensable arrangement for burning rubbish, paper, leaves, etc., without endangering property.

### Light Wire

Diam. High	Price
No. 1, 14 x 20 inches	\$1.75
No. 2, 15 x 24 inches	2.75
No. 3, 18 x 30 inches	3.00
No. 4, 20 x 35 inches	4.00

### Extra Heavy Construction

No. 10, 16 x 22 inches	\$11.00
No. 20, 20 x 30 inches	16.00

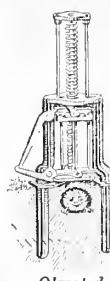
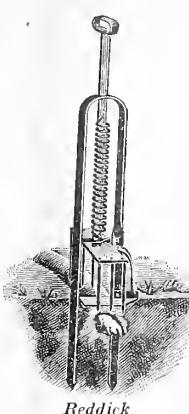


## OUT-O-SIGHT TRAPS

The most satisfactory mouse and rat trap. Set off at the least vibration.

Each	By Mail	Each
Mouse.....	\$0.10	\$0.15
Rat.....	.25	.35

Our Garden Tool and Sundries Department we believe to be the most fully equipped of any seed store in the United States. Most every article of real merit for horticultural work will be found here, and of the best quality.



## MOLE TRAPS

For catching moles that ruin lawns and damage the contents of hotbeds and cold frames. Moles move usually about 5 A. M. and 5 P. M., so that traps should be set for that period.

Each	By Mail	Each
Olmsted	\$2.25	\$2.35
Reddick	1.25	1.35

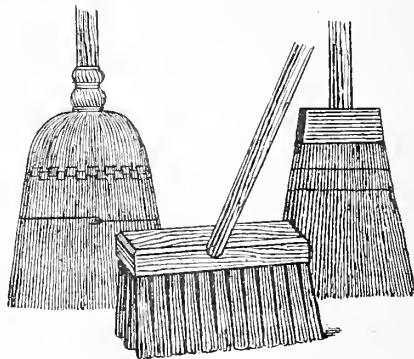
Complete Booklet on the Habits of the Mole mailed free, or included with each Mole Trap if asked for at time of ordering.

## BROOMS AND BRUSHES

For sweeping paths, gutters, roads, etc.; all with handles.

### BROOMS

No. 230. Japanese Fibre.....	\$0.90
No. 8. Corn and Rattan mixed.....	1.20
Golf Green (Birch).....	.35
No. 7. Plain Corn, extra quality.....	1.10



### ROAD BRUSHES (With Handles)

No. 271. Rattan Push, 14 in.....	\$1.40
No. 0286. Bass or Cocoa Push, 14 in.....	1.40

Plain Corn Rattan Push Jap. Fibre

## BALL CELERY BLEACHER

A practical, inexpensive device for bleaching celery early; made of stiff, heavy paper. If the tubes are to be left on the plants all winter and the soil drawn around them, you get celery clean and sweet.

Per 50 100 1000

No. 1. 6 x 12 in. Wt. per 100, 8 lbs... \$1.75	\$3.25	\$28.00
No. 2. 6½ x 13 in. Wt. per 100, 10 lbs... 2.25	4.00	35.50
No. 3. 7 x 14 in. Wt. per 100, 14 lbs... 2.50	4.25	37.00

## BALL CELERY HANDLER

Brass, \$4.50 each.

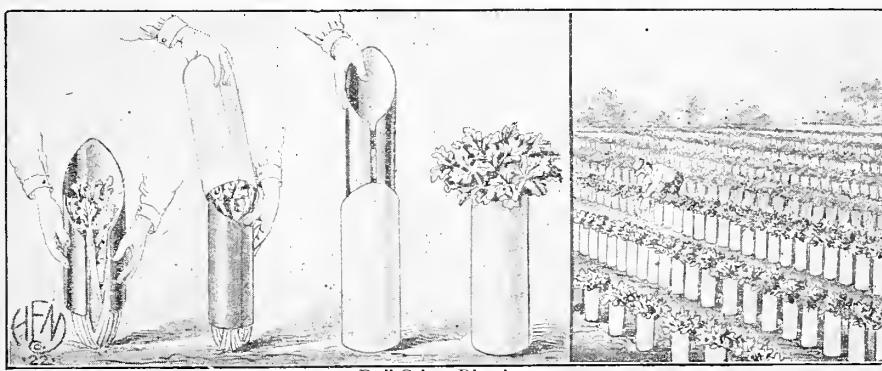
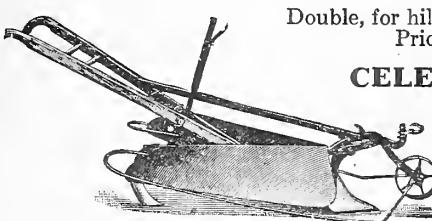
Tin, \$1.75 each

## PLANET JR. CELERY HILLER

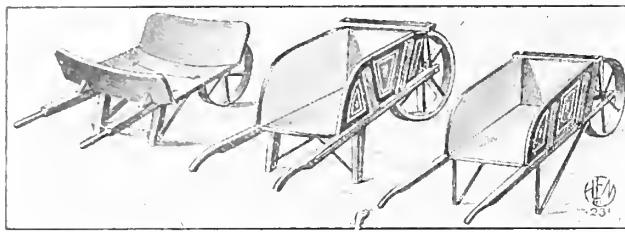
Double, for hilling one side of 2 rows. Price, \$30.75.

## CELERY PAPER

For winter protection; 500 sq. ft. per roll. Price \$2.50 per roll, 5 rolls for \$12.00



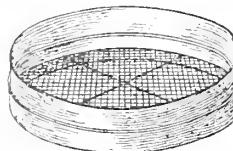
Ball Celery Bleacher



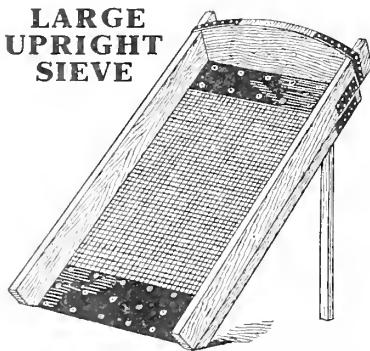
Canal

Great American

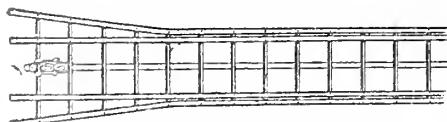
	No.	Tire In.	Length In.	Depth In.	Width In.	Price
Ataboy Steel Tray.		1 1/2	26	8 1/2	22	\$7.00
Lansing Lawn.		1 3/4	32 1/4	20 1/2	26 1/4	20.00
Great American.	1	2 3/4	30	12	25	10.00
Great American.	2	2 3/4	28	12	24	9.00
Great American.	3	2 3/4	26	12	22	8.50
Great American (Boys').	4	1 3/4	22	9	18	6.00
Canal. Side dump (bolted).						6.00
Special Greenhouse Style. Narrow body and handle width.						13.00

**SIEVES**(Any Size Mesh)  
Made extra well.By Mail  
Each Each

20-in. Steel (Heavy).	\$1.55
20-in. Galvanized wire. 6 lbs.	1.65
18-in. Galvanized wire. 6 lbs.	1.50
	1.70

**LARGE UPRIGHT SIEVE**

For soil, gravel, sand, etc. Made in any size mesh, of extra heavy grade foundry wire. \$15.00 each.

**EXTENSION LADDERS**

These are made in the best manner possible; are complete, being equipped with the necessary rope and pulleys.

16 feet.....	26 feet.....	75c.
18 feet.....	28 feet.....	75c.
20 feet.....	30 feet.....	per ft.
22 feet.....	32 feet.....	80c.
24 feet.....	34 feet.....	per ft.

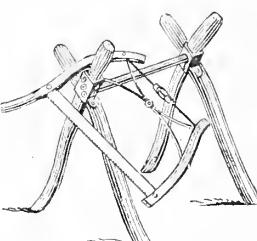
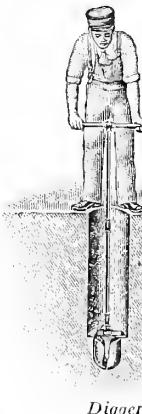
**SINGLE PLANK LADDERS**

Made of good hard wood, free from faulty knots and with perfect rounds.

10 feet.....	\$5.50	16 feet.....	\$8.80
12 feet.....	6.60	18 feet.....	9.90
14 feet.....	7.70	20 feet.....	13.00

**STEP LADDERS**

Gem. 4 ft. to 10 ft., 65c. per foot.

**POSTHOLE DIGGERS**

Digger

## No. 8. (See Cut.)

This bores a hole 3 1/2 ft. deep and can be adjusted in diameter from 8 to 14 inches, \$5.75.

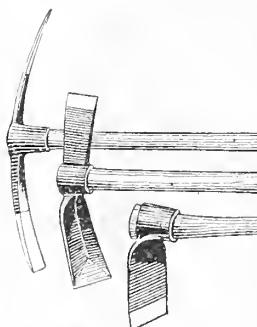
## No. 15. Eureka, \$2.50.

## Post Hole Spade

All steel with either point or tamper end, \$2.50.



Spade

**PICKS (Price includes Handle)**

All steel. Double point, \$1.50; axe point, \$1.50.

**MATTOCKS**

(Price includes Handle)

Axe, pointed.....	\$1.50
Pick, pointed.....	1.50
Half Mattocks or Grub Hoes.....	1.50

**Wheelbarrows**

The measurements of barrows are understood, viz.: length, meaning inside length of body; depth, inside depth at front; width, outside width at handles.

**AXES**

Plumb, medium, man's size. Made of best quality steel. .... \$2.50

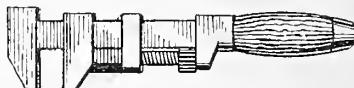
**STEEL HAMMERS**

No. 011 1/2 Pexto, \$1.00. (By mail, \$1.10)

**HATCHETS**

Made of the best quality tool steel, that will keep an edge.

Plumb, \$1.10 (By mail, \$1.15)

**MONKEY WRENCHES**

For machinery. Made of first quality hard steel; 8-inch, \$1.00 (By mail, \$1.10); 10-inch, \$1.25 (By mail, \$1.35).

**STEEL PLIERS** By Mail

No. 133. Side cutting, 6 in.....	\$1.25	\$1.35
133. Side cutting, 7 in.....	1.50	1.60

**PEXTO SCREW DRIVERS**

4-in. blade.....	\$0.50	7-in. blade... \$0.80
5-in. blade.....	65	10-in. blade... 1.00

If wanted by Parcel Post, add 10c each for postage.

**HUSKING PINS**

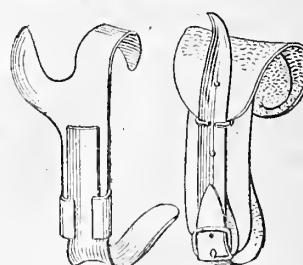
## No. 15.

## Universal.

All metal; adjustable to any size hand, 25c. (By mail, 30c.).

## No. 16.

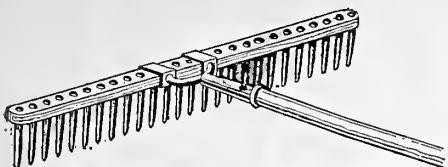
Combination; leather and metal, 25c. (By mail, 30c.).



No. 15 No. 16

**CORN KNIFE**

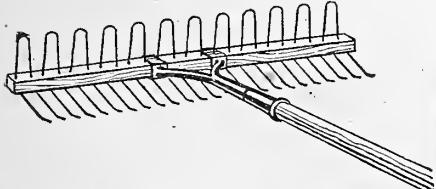
Eureka. Bent blade. \$1.00 (By mail, \$1.10).



### OLE OLSEN LAWN RAKE

Made of best hard wood, well braced; teeth set close together.

26-tooth, hickory wood. Price, \$1.25.



### WIRE LAWN RAKE

Made of heavy tinned steel wire. The rake is reversible.

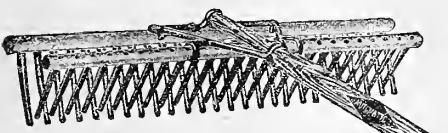
No. Tooth No. Tooth  
124R...24...\$0.85 | 36LR...36...\$1.25

No. 342...42-tooth...\$1.40

No. 342H—42-tooth, very close for cleaning off putting greens, \$1.50.

### WOODEN RAKES

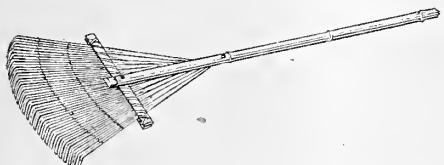
Ames, No. 37X. 24-tooth, steel bows...\$1.40  
Ames, No. 30X. 14-tooth, hard wood... 1.15  
Wire Braced. 20-tooth, lawn..... 75



### AUTOMATIC LAWN RAKE

A backward motion of the operator clears all the teeth at once.

Wood, 26-tooth \$1.50 | Wood, 38-tooth \$1.75  
Galvanized, 24-tooth...\$2.00



### JAPANESE BROOM RAKE

Made of split bamboo; cleans the lawn or grass plot as completely as though swept with a broom. Price, \$1.25 each.

### STEEL GRAVEL RAKES

No. Tooth No. Tooth  
G12...12...\$1.05 | G16...16...\$1.25  
G14...14... 1.15 | G18...18... 1.40  
G20.....20-tooth.....\$1.50

### STEEL BOW RAKES

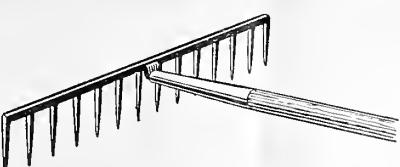
Preferred by many to the regular garden rake, the teeth being slightly bent toward the operator.

No. Tooth No. Tooth  
B12...12...\$1.10 | B14...14...\$1.15  
B16.....16-tooth.....\$1.20

### GEM DANDELION RAKE

The rake is self-cleaning; can also be used for leaves or grass.

No. 2. 24 inches wide.....\$4.00 each  
No. 1. 16 inches wide..... 3.00 each



### STEEL GARDEN RAKES

Made of best cast steel, with long teeth.

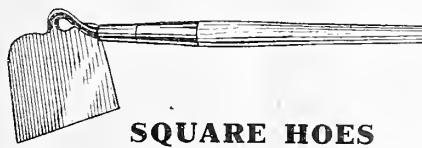
No. Tooth	No. Tooth
6.....6....\$0.85	14.....14....\$1.05
8.....8.... .90	16.....16.... 1.10
10....10.... .95	18.....18.... 1.15
12....12.... 1.00	

### HOE AND RAKE

#### (Combined)

An excellent tool for ladies, combining simplicity and utility. Made of the very best steel, which will outlast several cheaper tools of the same class.

No. 4P. 4-prong...\$1.00  
No. 6P. 6-prong... 1.10



### SQUARE HOES

No. G06.	6-inch, solid shank.....\$1.00
No. G07.	7-inch, solid shank..... 1.05
No. G08.	8-inch, solid shank..... 1.10
No. 10.	10-inch, for celery..... 1.65



### HALF MOON HOES

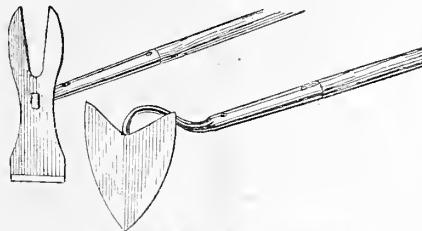
Best steel, solid sockets, which will not pull out.

No. HM3.	3-inch.....\$0.95
No. HM4.	4-inch..... 1.00
No. HM5.	5-inch..... 1.00
No. HM6.	6-inch..... 1.05
No. HM7.	7-inch..... 1.10
No. HM8.	8-inch..... 1.15

### TWO-PRONG ONION HOE

Will be found very valuable in weeding in narrow rows. (See cut below.)

No. 2P. Price.....\$0.70



### WARREN HOES

Excellent tools for making drills preparatory to sowing of seed. The backs can be used for covering. (See cut above.)

No. W7.....\$1.15 | No. W7½....\$1.25

Baby Warren Hoe No. BW4½. Short handle, 60c. each.

Special Steel Weeding Hoe No. 3W. Short handle, 55c. each.

### SCUFFLE HOES

Made of best steel.	
5-inch.....	\$1.10
6-inch.....	1.20
7-inch.....	1.30
8-inch.....	1.40
10-inch.....	1.60

Handles for Scuffle Hoes, 25c. each, extra.



### SHOVELS

#### Long Handle

Ames, round point.....	\$2.50
Maynard, round point.....	2.75
Maynard, square point.....	2.75
Portage City, round point.....	2.00
Portage City, square point.....	2.00

#### Short Handle

Ames, round point.....	\$2.50
Ames, square point.....	2.50
Maynard, round point.....	2.75
Maynard, square point.....	2.75
Portage City, round point.....	2.00
Portage City, square point.....	2.00



### STEEL SCOOP SHOVELS

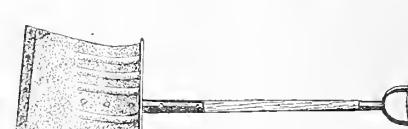
Strapped shanks, wood D or short handles.	
No. 1. 9 -inch mouth.....	\$1.50
No. 2. 10 -inch mouth.....	1.60
No. 3. 11 -inch mouth.....	1.75
No. 4. 11½ -inch mouth.....	1.80
No. 5. 12 -inch mouth.....	1.90
No. 6. 13 -inch mouth.....	2.00



*Michell's Special Spade*

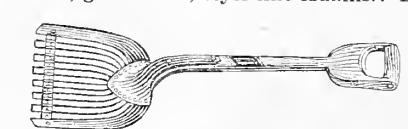
### STEEL SPADES

Ames, short handle.....	\$2.50
Maynard, short handle.....	2.75
Michell's Special, short handle.....	1.50
Nursery (Ames), short handle.....	3.75
Portage City, short handle.....	2.00
Boys'.....	1.50



### SNOW SHOVELS

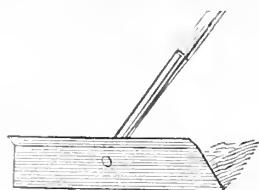
Adams, wood (see cut), D handles.....	\$1.10
Phillips, wood, long handle.....	1.00
Owosso, galvanized, style like Adams..	1.75



### WIRE SCOOP SHOVEL

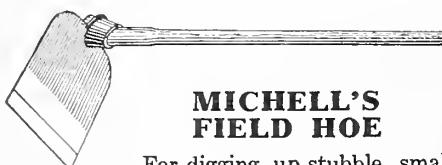
For handling potatoes, turnips and root crops without bruising or cutting. Made of heavy steel wire.....\$3.00

## MICHELL'S FARM AND GARDEN TOOLS



## MEHLEER HANDY SCRAPER

This was originally designed as a dropping-board scraper in poultry and pigeon houses. It gets in the corners easily and has a sharp crimped edge on the upper side, which is used to loosen up any hard substance. It is also suited for a variety of other work around the farm or garden. Price, \$1.25.



## MICHELL'S FIELD HOE

For digging up stubble, small stumps, small plots of ground for planting purposes, etc.  
5½-inch blade, each.....\$1.25  
7-inch blade, extra heavy, each.....2.00



## TRANSPLANTING HOE

No. 41. Used for setting out tomato, egg plants and other plants. Avoids kneeling when planting. Made of best steel. Price, \$1.50.



## SPADING FORKS

Strapped shanks, short or D-wood handle. Made of best quality steel.  
No. OHW. Men's 4-tine.....\$2.10  
No. O5HW. Men's 5-tine.....2.35  
No. B4D. Boys' or Ladies 4-tine.....1.00

## ENGLISH DIGGING FORK, No. EB4

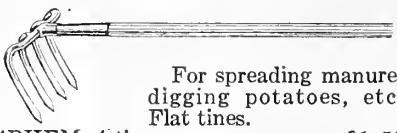
Though made in America, it is made exactly after the pattern of garden forks such as are made and used in England. The prongs are solid steel, with square instead of round edges, which adapts it especially for digging in heavy soil, in which it works with ease. Every gardener should add one of these to his collection of tools, as we know it will give him splendid satisfaction. 4-tine, \$2.25 each.



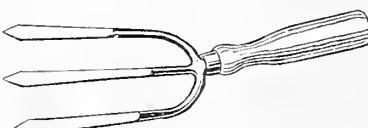
## MANURE FORKS

Strapped Shanks.  
04W—4 tine, light, short handle.....\$1.85  
163—4 tine, heavy, short handle....2.10  
05W—5 tine, medium, short handle..2.10  
06W—6 tine, medium, short handle..2.10  
044½—4 tine, long handle.....1.65  
054½—5 tine, long handle.....1.85

## MANURE DRAGS



For spreading manure, digging potatoes, etc. Flat tines.  
No. 4BHF, 4 tine.....\$1.50  
No. 6BOH, 6 tine.....1.85



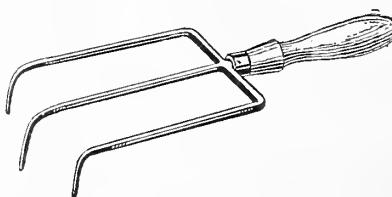
## EUREKA WEEDING FORK

No. G. Made of best flexible steel; splendid for loosening soil in the garden, in hot-beds, etc., 50c. (By Mail, 60c.).



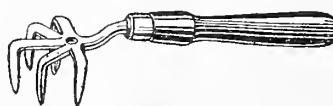
## EXCELSIOR WEEDING FORK

No. 300. Made of malleable steel, finished in tin, 15c. (By Mail, 20c.).



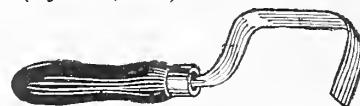
## EUREKA WEEDER No. E

Made of flexible steel; very light; an ideal tool for market gardeners, florists and amateurs, 50c. (By Mail, 60c.).



## EXCELSIOR WEEDER

Made of malleable iron, finished in tin, 15c. (By mail, 20c.).



## HAZELTINE WEEDER

No. Bw1, 50c. (By mail, 55c.)



## MAGIC WEEDER

Made of heavy galvanized flexible wire, with flattened prongs or ends.  
No. A. Short Handle, Small.....\$0.25  
No. B. Short Handle, Medium.....35  
No. H. Long Handle, Large.....1.25



## MAKEFIELD WEEDER

A splendid little tool for weeding in the garden seed bed, greenhouse or hotbed; made of fine tool steel, it can be sharpened easily and does not become dull readily; with it you can work closer to seedlings than with any other tool we know of. 50c. each.



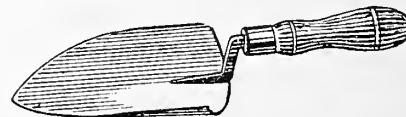
## DIBBLES

For Planting Bulbs, Etc.  
Equipped with wooden handles

No. 2180. Brass point, \$1.00.

No. 218. Iron point, 75c.

If wanted by Parcel Post, add 10c. each for postage.



## JOHNSON TROWEL, No. 211

These are made of one piece steel blade and shank, equal to the imported trowels.

5 in.....\$0.80	7 in.....\$0.90
6 in.....85	

If wanted by Parcel Post, add 10c. each for postage.

## D. S. T. STEEL SHANK TROWEL

These are somewhat long in blade and handle, making a very practical tool. 6-in. blade, \$1.00 each. (By mail, \$1.10)



## CLEVES' ANGLE TROWEL, No. 217

For getting dandelion, plantain and other weeds out of the lawn, and transplanting.

5 inch.....	\$0.30
6 inch.....	.35
7 inch.....	.40

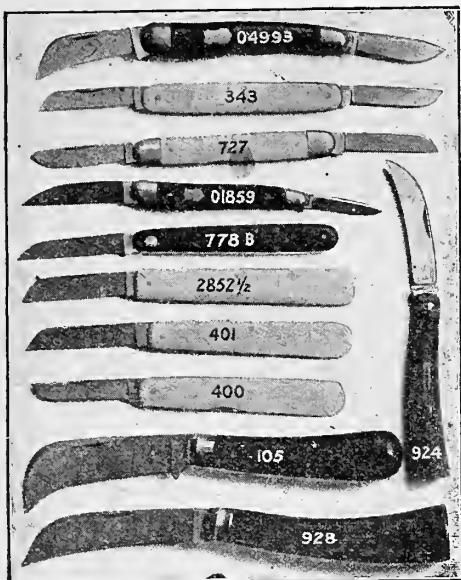
If wanted by Parcel Post, add 10c. each for postage.

## TRANSPLANTING TROWEL

Steel shank and blade.  
75c. (By mail, 85c.)

## MISCELLANEOUS TROWELS

Each	By Mail	Each
No. 213—5 inch.....	\$0.25	\$0.30
No. 213—6 inch.....	.30	.35
Neverbreak—6 inch, heavy steel.....	.25	.35



### HORTICULTURAL KNIVES

A good knife is an essential to every gardener and florist. Our stock consists of such styles that are practical and in demand. They are all of the best steel. Every one is guaranteed to be perfect.

No.	Blades	Style	Handle	Each
343	2	Saynor, brass lined, ivory		\$4.00
727W	2	Brass lined, white		1.75
04993	2	Steel lined, ebony		1.75
400	1	Saynor, not lined, ivory		4.00
401	1	Saynor, not lined, ivory		3.75
928	1	English, steel lined, stag		3.00
924	1	English, steel lined, stag		2.75
778B	1	Brass lined, white		1.25
105	1	Heavy, steel lined, cocoa		1.25
303	2	Saynor, Pruning, stag		2.75



Pexto Pruning Shear

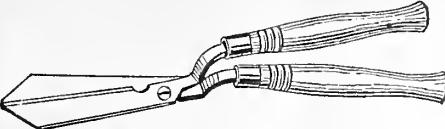
### PRUNING SHEARS

Our pruning shears are procured from the most reliable makers and all are fully guaranteed.

No.		Length	Each
110	Perfection	8 in.	\$3.00
50	Pexto	8 in.	1.10
R 50	Pexto	9 in.	1.40
55	Pexto	9 in.	1.75
R 95	Pexto	10 in.	4.50
110	Pexto	8 in.	3.25
109	Wiss	8 in.	4.00
65	Pexto American	9 in.	1.75
R 165	Pexto American	9 in.	2.25
R 70	Pexto American	9 in.	2.00
28	Henckel	4 1/2 in.	1.75
28	Henckel	6 1/2 in.	2.00
14	Nickelated	6 1/2 in.	1.75
0	Pexto	9 in.	.65
999	Michell's	9 in.	3.00
1586	French	7 1/2 in.	3.25
1586	French	8 1/2 in.	3.25

If wanted by Parcel Post, add 10c each for postage.

Spiral Springs for any of the above Pruning Shears 15c. each; per doz., \$1.50. (By mail, \$1.60).



### HEDGE SHEARS

No.		Amer. Eng.
101A	6 1/2-inch, Ladies'	\$1.50
101A	8-inch	2.50
101A	9-inch	3.00
101A	10-inch	3.25
101A	12-inch	4.00

If wanted by Parcel Post, add 15c. each for postage.

Bolts and Nuts for hedge shears, 25c.

Handles for Hedge Shears, 75c. per pair.

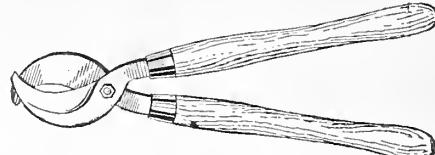
### NEVERSLIP HEDGE SHEARS

8-inch.. \$2.50 | 9-inch.. \$2.75 | 10-inch.. \$3.00

If wanted by Parcel Post, add 15c. each for postage.

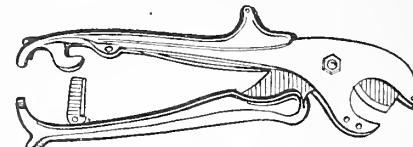
### YEAKLE HEDGE SHEAR

These shears will not push the hedge forward but will hold it and cut it at once. Price, \$7.00. (By mail, \$7.15.)



### RHODES LOPPING SHEAR

Makes an absolutely clean, perfect cut; the blades are concaved at the cutting edge, producing with the handles an enormous leverage. The easiest operating Lopping Shears ever made or sold. 24-inch and 28-inch handles. Price, \$5.00. (By mail, \$5.15.)



### LEVIN PRUNER No. 23

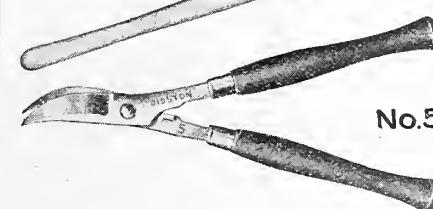
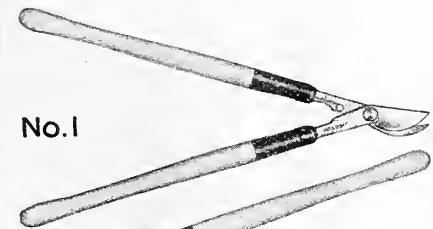
The handle of these shears affords a great deal of leverage, which makes very easy cutting possible. Price, \$1.00. (By mail, \$1.10)



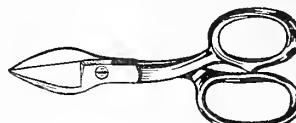
### STEEL HEDGE KNIFE

For cutting heavy brush, shrubbery, hedges, etc. Made of the finest steel with a slight hook on blade. Each, \$5.00.

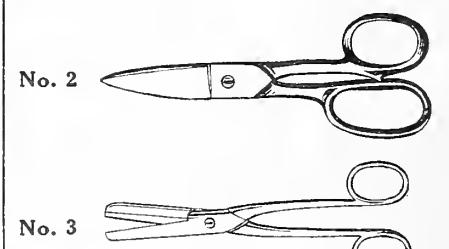
No. 1. Short handle.....\$1.25



No. 1



No. 2



No. 3

Key to illustrations: No. 1, Wire and Tin Shears; No. 2, Grape Scissors; No. 3, Flower Scissors.

### WIRE AND TIN SHEARS

No. 833. 7 1/2 inch, used for cut flower wire, etc.....\$1.30

No. 832. 8 inch, used for cut flower wire, etc.....\$1.30

No. 12. 8 inch for heavy wire and tin. 1.50

No. 10. 10-inch for heavy wire and tin 2.00

If wanted by Parcel Post, add 10c. each, for postage.

### GRAPE SCISSORS

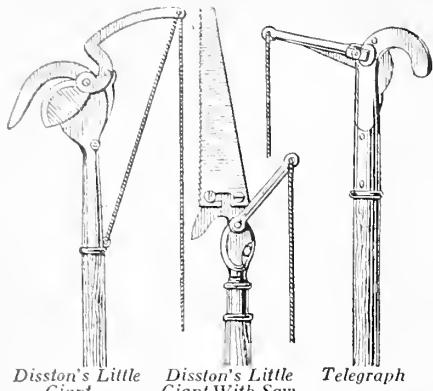
For thinning out bunches of grapes, and not disturbing the berries that are to remain for development.

No. 6148. 6 inch, \$2.25. (By mail, \$2.35.)

### FLOWER SCISSORS

No. 1922. Cuts flower and holds the stem. Price.....\$2.00

## MICHELL'S HORTICULTURAL AND GARDEN SUPPLIES



Disston's Little Giant      Disston's Little Giant With Saw      Telegraph

### TREE PRUNERS

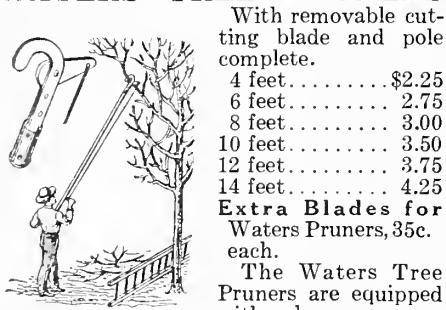
Disston's Little Giant. Pruner . . . . . \$2.25  
 Disston's Little Giant. With saw attachment . . . . . 2.75  
 If wanted by Parcel Post, add 15c. each for postage.

Prices are for Pruner without rope or pole.

### TELEGRAPH TREE PRUNERS

Removable blade, which can be renewed when worn out for 25c. Price, plain, without pole, \$2.00. (By mail, \$2.10.)

### WATERS TREE PRUNERS



With removable cutting blade and pole complete.

4 feet . . . . . \$2.25

6 feet . . . . . 2.75

8 feet . . . . . 3.00

10 feet . . . . . 3.50

12 feet . . . . . 3.75

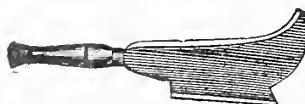
14 feet . . . . . 4.25

Extra Blades for Waters Pruners, 35c. each.

The Waters Tree Pruners are equipped with poles.

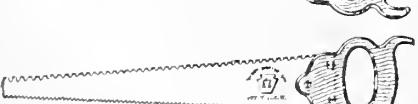
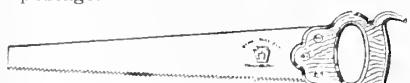
Waters Pruners are not mailable.

Poles for Tree Pruners  
 12 feet long, 1 1/4 inch diameter . . . . . \$2.50  
 14 feet long, 1 1/2 inch diameter . . . . . 3.00



### ENGLISH BILL HOOKS

For trimming heavy shrubbery, trees, etc.  
 Short Handle . . . . . \$3.00  
 Long Handle . . . . . 4.50  
 If wanted by Parcel Post, add 15c. each for postage.



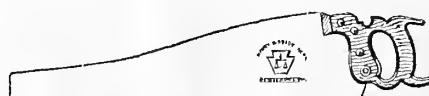
### DISSTON PRUNING SAWs

No. 40 18-inch. Avery double edge . . . . . \$1.25  
 No. 40 20-inch. Avery double edge . . . . . 1.35  
 No. 7 16-inch. Single edge . . . . . 1.60  
 No. 7 18-inch. Single edge . . . . . 1.70  
 No. 7 20-inch. Single edge . . . . . 1.80  
 No. 7 22-inch. Single edge . . . . . 1.90  
 If wanted by Parcel Post, add 10c. each for postage.



### CROSS CUT LOG SAWS

Disston Make  
 Keystone No. 3, one-man, 3 1/2 ft. blade \$3.75  
 Gt. American, two-man, 5 ft. blade . . . . . 6.00



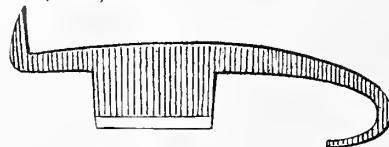
### CARPENTER SAWS

State if rip or cross-cut is wanted.  
 Disston No. 8D. 26-inch blade . . . . . \$3.50  
 Disston No. 8D. 28-inch blade . . . . . 4.00



### GRAFTING WAX

1/4 lb., 15c.; 25c. per 1/2 lb.; 1 lb., 45c. (By mail, 55c.)



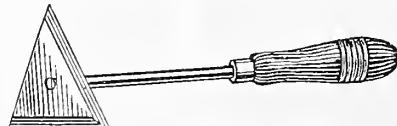
### GRAFTING TOOL

Made of the best steel. For grafting trees, etc.  
 All steel. \$1.00. (By mail, \$1.10.)



### LEATHER PRUNING GLOVES

Pair  
 No. 216. Horsehide, with gauntlets, lined . . . . . \$2.25  
 No. 66. Horsehide, with gauntlets, not lined . . . . . 2.00  
 No. 62. Buckskin, with gauntlets, not lined . . . . . 3.00  
 If wanted by Parcel Post, add 10c. per pair for postage.



### TREE SCRAPER

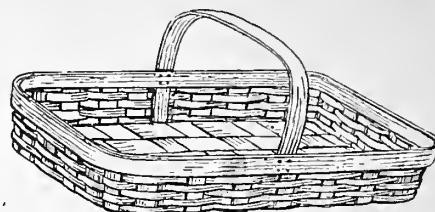
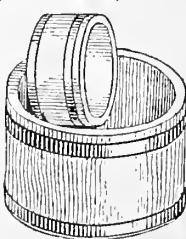
For removing loose bark from trees prior to spraying. Steel blade may be detached and sharpened. No. 5, short handle, 65c. (By mail, 75c.)

### TREE OR BARK BRUSHES

For brushing down trees for removing insects, borers, etc. Made of steel. Price, 8 1/2-inch, 60c. (By mail, 70c.)

### WOOD MEASURES

1/4 peck . . . . .	\$0.75
1/2 peck . . . . .	.80
1 peck . . . . .	1.10
1/2 bushel . . . . .	1.75
1 bushel . . . . .	3.00



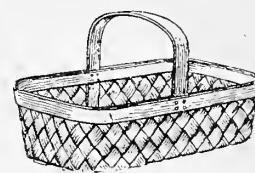
### GATHERING BASKET

Very convenient for carrying berry boxes, asparagus and other vegetables. Made of oak, with double collapsible handles; 12 in. wide, 23 in. long, 4 in. deep. Price, \$1.25.



### GARDEN BASKETS

No. 2, Stiff Handle	Each
1/2 Bu. . . . .	\$1.00
No. 3, Drop Handle	Each
1/2 Bu. . . . .	\$1.00
No. 4, Without Handle	Each
1/2 Bu. . . . .	\$1.00
1 Bu. . . . .	1.25



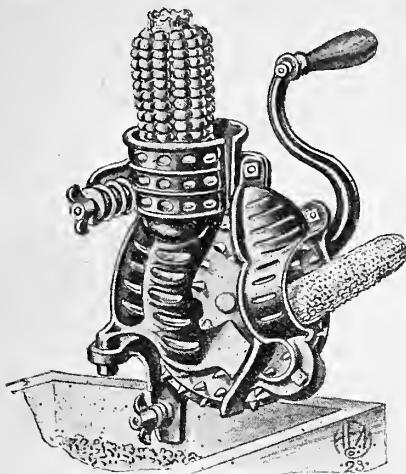
### SPLIT OR CHIP BASKETS

Without Handles	With Handles
Each Doz.	Each Doz.
1/4 bu. . . . . \$0.12	1/4 bu. . . . . \$0.15
1/2 bu. . . . . .18	1/2 bu. . . . . .20
3/4 bu. . . . . .20	3/4 bu. . . . . .25
1 bu. . . . . .35	1 bu. . . . . .40
	4.00

### MAN O'WAR WINDMILL



An interesting feature for the children's garden, although they are equally practicable for the grown-ups. They revolve with the least puff of wind, and on account of their looks they serve as a scarecrow for undesirable birds or animals. They can be fastened to any tree, post, house or wash line pole. Height, 15 in., \$1.50 each. (By mail, \$1.60.)

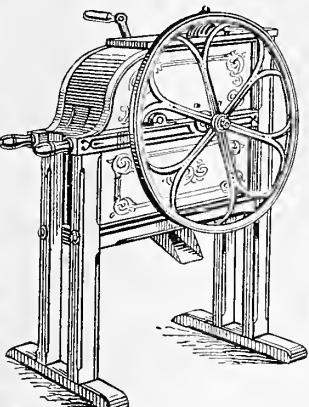


### BLACK HAWK CORN SHELLER

Excellent for small poultry farms, etc. Ball-bearing; suitable for fastening to a bench, box, etc., for shelling small quantities of corn. \$3.50 each.

### PENNA. CORN SHELLER No. 3

Useful on every farm and private estate. Separates the corn from the cob, throwing the cob to one side and allowing the corn to pass out another. \$16.00.

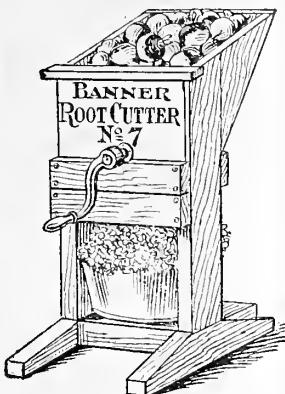


### WILSON'S No. 1 MILL

This No. 1 Mill will grind or granulate dry bones, shells, grit, gravel stones, old crockery, glass, charcoal, corn, walnuts, and all kinds of grain. It is also a splendid machine for the housekeeper for grinding stale bread, crackers, roots, barks, etc.

Price, without stand or bolts, \$7.50; with stand to fasten on floor, \$10.50.

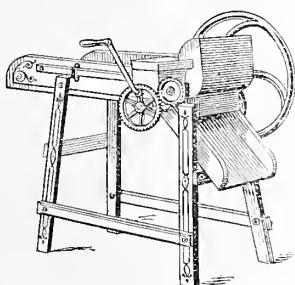
### BANNER ROOT CUTTER



Roots of vegetables cut up fine take the place of grass and greens during the winter months.

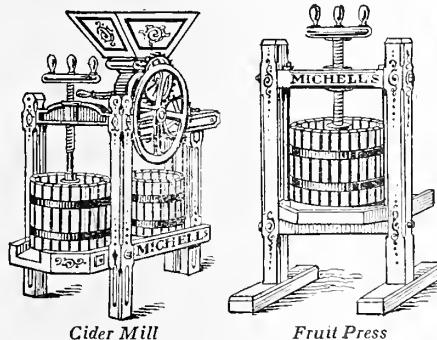
No. 7. For poultry, sheep and lambs, \$6.50  
No. 16. Medium size, \$22.50.  
No. 35. Large size, \$30.00.

If pulley is wanted on Nos. 16 and 35, add \$1.50.



### HAY AND FEED CUTTER

For cutting hay, ensilage, etc.  
Triumph. Double knife. \$20.00



### CIDER MILLS

	Capacity	Price
Bantam, 1 single tub	1/2 bu	\$25.00
Junior	5/8 "	30.00
Medium	3/4 "	36.00
Senior	1 1/4 "	45.00

### FRUIT PRESSES

Made of best quality wood, carefully bolted and finished.

No.	Capacity	Price
1	1/4 bu.	\$8.00
2	1/2 "	10.00
3	1 "	14.00

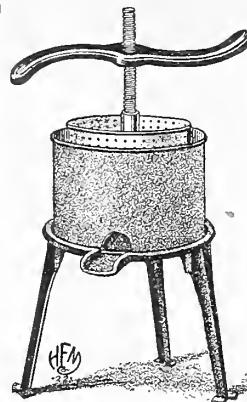
### PRESTO FRUIT PRESS

Used for extracting juices from Berries, and other Fruits. Made entirely of iron and steel; all parts heavily tinned.

No. 1.	3 quart size	\$4.00
No. 2.	6 quart size	6.50
No. 3.	9 quart size	8.00

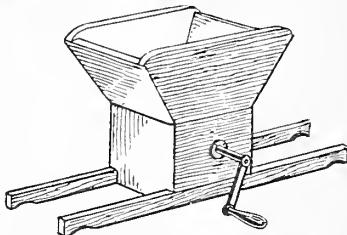
### CIDER KEGS

5-gal. cap. \$3.00 | 10-gal. cap. \$3.25



### JUICY FRUIT PRESS

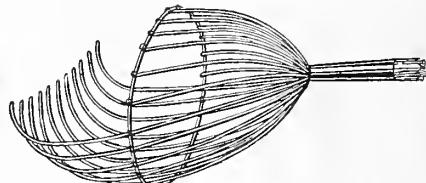
A very valuable press for making jellies, Fruit Syrups, Lard, etc. All parts coming in contact with fruit juices are tinned with pure block tin. Base and feet cast as one piece. Price, \$8.00.



### GRAPE GRINDER

Suitable for crushing berries, grapes and similar soft fruit.

No. 5.....	\$5.00
No. 10.....	6.00



### BOSS FRUIT PICKER

Made substantially of galvanized wire. Can easily be attached to a pole of any length. Price, 50c. (By mail, 60c.)

### MASTERS FRUIT PICKER

Equipped with an attachment for a pole and holding bag; a very desirable type, that will not bruise the fruit. Price, \$1.50. (By mail, \$1.65.)



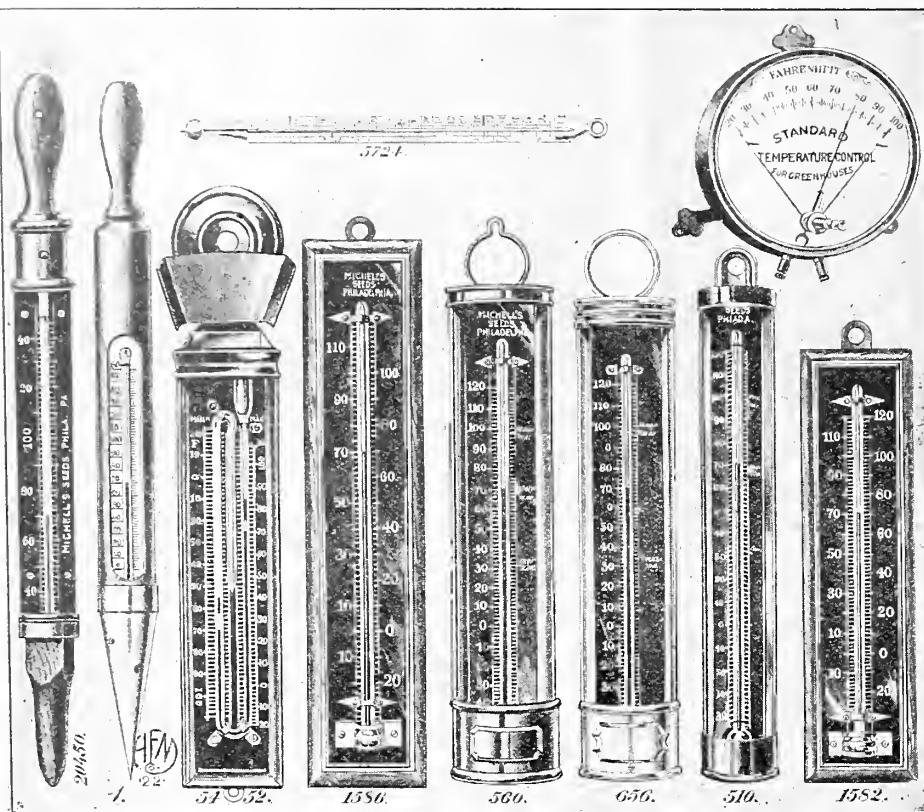
### WATER SEAL CANNER

Put up your own Vegetables and Fruits with an Improved Water Seal Canner. It gives the necessary rapid application of heat, and maintains it uniformly as long as required. Insures canned fruits and vegetables that retain their natural color, delicious flavor, rich food value and firmness. Strongly built of galvanized iron, with brass fittings. The Water Seal Canner is portable and adapted to kitchen stove, gas range or open fireplace.

No. 1. Capacity, 13 one-quart glass jars, or 17 three-pound cans, \$12.50 each.

No. 7. Capacity, seven one-quart glass jars or 10 one-pint glass jars, \$7.00 each.

## MICHELL'S GREENHOUSE ACCESSORIES, ETC.

**THERMOMETERS**

No. 5452. Maximum and Minimum. Registering the coldest and the warmest point during the previous night. 8-inch, each, \$5.00.

**TESTED THERMOMETERS**

	Each
No. 506—8 inch, Tin Case	\$0.85
No. 510—10 inch, Tin Case	1.00
No. 556—8 inch, Greenhouse	1.00
No. 560—10 inch, Greenhouse	1.25
No. 652—8 inch, Genuine Copper Case	2.00
No. 656—10 inch, Genuine Copper Case	2.25
No. 1582—8 inch, Wood Back, Black Scale	2.00
No. 1586—10 inch, Wood Back, Black Scale	2.25

**GLASS DAIRY THERMOMETERS**

No. 5724. For testing milk, etc., also used for soil purposes. 35c. each.

**MUSHROOM OR HOTBED THERMOMETERS**

No. 20450. Galvanized Iron Point, each \$2.00  
No. 1. Brass Point, Paper Scale, each. 1.50

**ELECTRIC THERMOSTAT**

This device can be set to ring an alarm when the temperature goes above or drops below a desired point. All brass. Not waterproof style, \$11.50; waterproof style, \$17.50. See illustration above.

**RECORDING THERMOMETER**

This type of thermometer which can be equipped with either a daily or weekly chart enables one to keep an accurate record of the temperature in his greenhouse during every hour of the day and night; the thermometer is equipped with a high grade clock and ink stylus which marks very accurately. It is an ideal installation; in ordering state if weekly or daily record chart is desired. Price, \$45.00.

**GLASS CLAMPS**

For supporting broken lights of glass. Per box of 100, \$1.75. (By mail, \$1.85.)

**LIQUID GLAZING PUTTY**

Superior to ordinary putty, more easily applied and lasting. Can be put on with a putty bulb or mastica machine.

Especially adapted for glazing wood and metal sash. Per gal., \$2.50.

**MASTICOTE GLAZING CEMENT (BLACK)**

Apply with a mastica machine. Per gal., \$2.50.

**MASTICA**

For glazing greenhouses. One gallon will cover about 300 running feet. 1 gallon..... \$2.50

**GREENHOUSE WHITE**

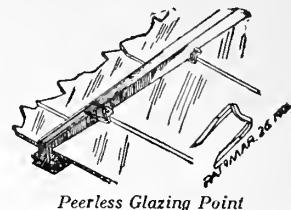
A superior white paint for sash bars, sash frames, etc. Per gal., \$3.75.

**TESTIMONIAL**

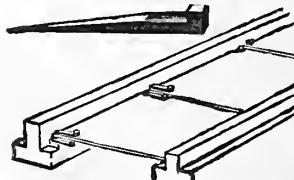
Orangeburg, S. C.

Enclosed find order which you will kindly ship us. Allow us to say, that we consider it a pleasure to deal with you, as everything that we have ever received from you has been absolutely satisfactory.

J. C. K.



Peerless Glazing Point



Sieber's Glazing Point

**GLAZING POINTS**

**Peerless.** Three sizes.

No. 1, for single thick glass.  
No. 2, for single thick glass.  
No. 2 1/2, for double thick glass.

Price, 65c. per 1000. (By mail, 10c. per 1000 extra.)

**Pincers.** For driving Peerless Points, 60c. (By mail, 65c.)

**Siebert Style (Zinc).** Made with a prominent head; cannot rust; easily driven. 5/8, 3/4 and 7/8 inches long. 60c. per lb.; (By mail, 70c.); 5 lbs., \$2.75. (By mail, \$2.90.) 1000 to 1200 in a lb.

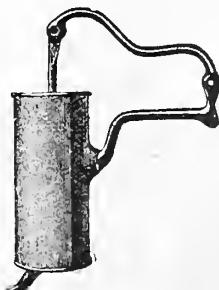
**Zinc Glazing Nails.** 50c. per lb. (By mail, 60c.); 5 lbs., \$2.40. (By mail, \$2.55.)

**GLASS CUTTERS**

Single Wheel, steel, each.....	\$0.25
6 Wheel, steel, each.....	.60
No. 8 Small Diamond. Ebony handle	4.50
No. 8A Large Diamond. Mahogany handle.....	5.75

**PUTTY DISTRIBUTOR**

For distributing putty, mastica, etc. Price, \$1.50. (By mail, \$1.60.)



Mastica Machine



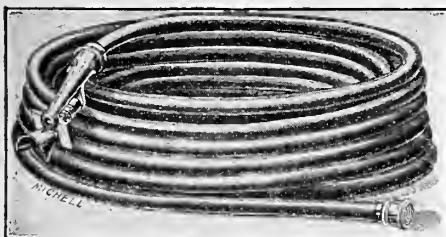
Putty Distributor

**MASTICA MACHINE**

For distributing mastica, etc. Made of heavy zinc. Price, \$3.00. (By mail, \$3.10.)

**DAYLIGHT GLASS CLEANER**

For taking off whitewash shading, etc. Apply with a brush, leave on a few minutes and rinse off with cold water. One gallon will clean 400 to 600 square feet of glass. Per gal., \$2.75; \$11.00 per 5 gals.



## RUBBER HOSE

Special attention is called to "Michell's Akron" Hose, a new brand, which, having been thoroughly tried out, has made good.

Per Foot

*Michell's Special, $\frac{1}{2}$ inch.....	\$0.17
*Michell's Special, $\frac{3}{4}$ inch.....	.20
*Michell's Magic. A splendid smooth finished, red hose; $\frac{3}{4}$ inch.....	.24
*Michell's Akron. Flexible, durable, unkinkable, $\frac{3}{4}$ inch.....	.23
*Electric, $\frac{3}{4}$ inch.....	.24
*Electric, $\frac{1}{2}$ inch.....	.22
*Whip Cord, $\frac{3}{4}$ inch.....	.20
Spray Pump Hose, $\frac{3}{8}$ inch.....	.16
P. S.—Brands marked * come in reels of 500 feet, and sections in any length to that number of feet may be had.	
25- and 50-foot sections of hose coupled free. Smaller sections coupled at the rate of 35c. per pair for couplings.	
Hose Washers. $\frac{3}{4}$ inch and 1 inch, price either size, 8c. per doz.; $\frac{1}{4}$ lb., 30c.; \$1.00 per lb. (By mail, \$1.10.)	



Cooper Hose Mender

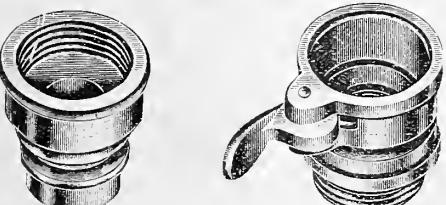
## HOSE MENDERS

	Each	Doz.
Cooper's, $\frac{3}{4}$ -inch.....	\$0.12	\$1.25
Cooper's, $\frac{5}{8}$ -inch.....	.12	1.25
Cooper's, $\frac{1}{2}$ -inch.....	.12	1.25
Iron, $\frac{3}{4}$ -inch.....	.10	1.00

If wanted by Parcel Post, add 10c. per doz. for postage.

## PERFECT HOSE MENDER

Made entirely of brass, with swivel motion—No band required.	
For $\frac{1}{2}$ -inch and $\frac{3}{4}$ -inch hose, 15c. each; doz., \$1.50. (By mail, \$1.60.)	



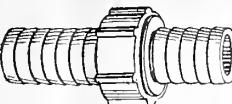
No. 3

No. 4

## ACME HOSE COUPLINGS

For quickly connecting and detaching hose.	
No. 3 part, for attaching to spigot, 30c. each; doz., \$3.00. (By mail, \$3.10.)	
No. 4 part, for attaching to hose, 50c. each; doz., \$5.00. (By mail, \$5.10.)	
Couplings complete, consisting of one No. 3 and one No. 4 part, 80c. each; per doz., \$8.00. (By mail, \$8.15.)	

## HOSE COUPLINGS



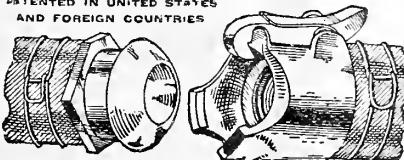
Perfect Hose Coupling

	Pair	Doz.
Plain Brass, $\frac{1}{2}$ inch.....	\$0.25	\$2.50
Plain Brass, $\frac{3}{4}$ inch.....	.25	2.50

If wanted by Parcel Post, add 15c. per doz. for postage.

**Perfect.** Equipped with a clamp on the male and female part for securing to the hose; no band required; for  $\frac{1}{2}$ - and  $\frac{3}{4}$ -inch hose; mention which is wanted when ordering. 45c. per pair; doz., \$5.00. (By mail, \$5.15.)

PATENTED IN UNITED STATES  
AND FOREIGN COUNTRIES



No. 2 Snap Coupling

No. 1 Snap Coupling

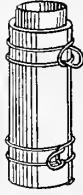
## SNAP HOSE COUPLINGS

**Snaps** Couplings are entirely new and novel. They couple hose instantly, work on a spring, and are water-tight. 35c. per pair; doz. pairs, \$3.75. (By mail, \$3.85.) Washers, 20c. per doz.

## SNAP COUPLING PARTS

**No. 2. Male.** 15c. each; per doz., \$1.50. (By mail, \$1.60.)

**No. 1. Female.** 25c. each; per doz., \$2.50. (By mail, \$2.60.)



Caldwell Band  
as applied  
to Hose



## HOSE BANDS

For fastening couplings and menders.

### CALDWELL'S

No.	Doz.	Gross
8. For 4-ply hose.....	\$0.40	\$3.50
6. For 3-ply hose.....	.40	3.50

If wanted by Parcel Post, add 15c. per gross for postage.

### SURE GRIP

Can be furnished in  $\frac{1}{2}$ -inch,  $\frac{5}{8}$ -inch and  $\frac{3}{4}$ -inch, either size, 6c. each; doz., 60c. (By mail, 70c.)

## NO. 68 SIAMESE HOSE CONNECTION

This permits one lead of hose to be diverted in two directions. Additional three-way connections can be used according to the water pressure. It is specially adapted for lawn sprinkling. Price, 75c. each. (By mail, 85c.)

## HOSE REDUCERS

For reducing 1-in. pipe to fit regular  $\frac{3}{4}$ -in. hose.

Each.....	\$0.70
(By mail, 89c.)	



## HYDRANT ATTACHMENTS



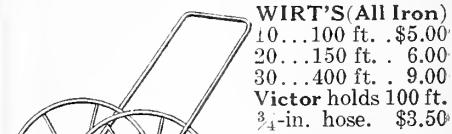
For attaching hose to smooth faucets. No. 2. For small spigot, 65c. (By mail, 70c.)

No. 3. For large or standard spigot, 65c. (By mail, 70c.)

## HOSE REELS

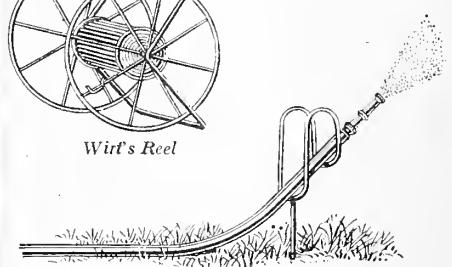
**Meon.** Made entirely of steel; very strong; easy to operate, the reel acting both for winding and wheeling.

No. A1. 90 ft. capacity.....	\$3.50
No. A2. 130 ft. capacity.....	4.00
No. A3. 180 ft. capacity.....	4.50



### WIRT'S (All Iron)

10...100 ft. .	\$5.00
20...150 ft. .	6.00
30...400 ft. .	9.00
Victor holds 100 ft. $\frac{3}{4}$ -in. hose.	\$3.50

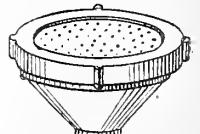


## NOZZLE HOLDER

For sticking in the ground while one continues with other work. Made of galvanized heavy wire. Price, 25c. each. (By mail, 30c.)

## BINKS NOZZLE

Made of aluminum, with brass face; equipped with interchangeable sprays, coarse and fine. It makes watering possible without wetting the hands. Positively the best and most indestructible nozzle made. \$3.00 each; worth twice the price. (By mail, \$3.10.)



## PERFECTION HOSE NOZZLE

$\frac{3}{4}$ -inch hose. Can be regulated to give three different streams. Price, 75c. (By mail, 80c.)

## RAINBOW NOZZLE

Makes a full stream or fine spray, which can be changed by a slight turn of the finger; positive shut off; no leaks; nothing to wear out. Price, \$1.00. (By mail, \$1.10.)

## MISCELLANEOUS NOZZLES

If wanted by Parcel Post, add 10c. each for postage.

Boston, Light Copper..... \$1.35

Boston, Heavy Brass..... 1.50

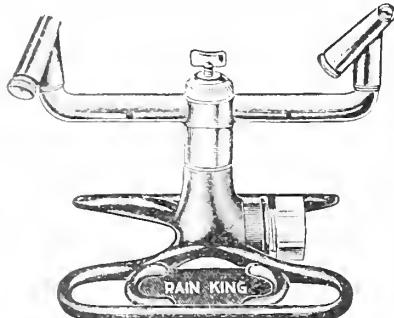
Champion. A dandy nozzle for greenhouse use; makes a spray or a solid stream; easily adjusted. Price, 75c. each.

Allen. Similar to the Perfection nozzle. Price, 70c.

Rose. Useful for watering lawn and garden. Price, 40c.

## MICHELL'S LAWN AND GARDEN ACCESSORIES

## LAWN SPRINKLERS

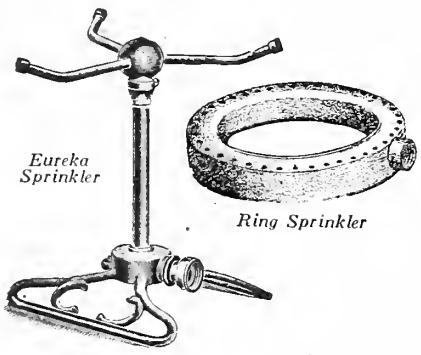


## RAIN KING SPRINKLER

This sprinkler is strikingly different from any other sprinkler made; turning the thumb screw releases the sprinkler arm for a revolving spray, or locks it for stationary use; nozzles turn in any direction and adjust quickly to a fine or coarse spray; waters a small or large circle, from 8 to 80 feet in diameter. Made entirely of brass, except the base; heavy bronze bearing. Price, \$3.50. (By mail, \$3.65.)

## ENTERPRISE SPRINKLER

This operates best on a pressure of over 25 lbs., covering a diameter of about 12 feet; height  $9\frac{1}{2}$  inches. Price, \$7.00. (By mail, \$7.25.)



Price By Mail  
Eureka. No. 55. 10 in. high. \$2.50 \$2.65  
Ring or Fountain. Large.. 1.00 1.10  
Ring or Fountain. Small.. .65 .75

## DOUBLE ROTARY SPRINKLER

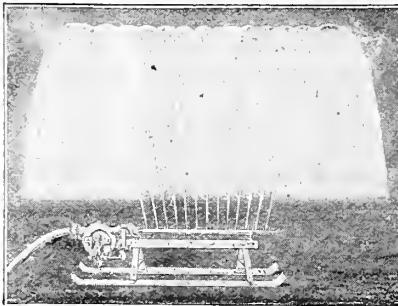


This operates on a new and improved principle; sprinkles evenly, covering a radius of 15 to 40 feet according to the water pressure. Simply attach the hose and turn on the water, the machine does the rest. Water pressure causes the wheel to revolve, cutting the water into drops like rain. Price, \$12.50.



## CRESCENT SPRINKLER

All brass; suitable for watering confined areas, such as side yards, etc. Sprays only a half circle at a time. Price, 75c. (By mail, 85c.)



## CICO OSCILLATING IRRIGATOR

Operates under a reasonable pressure, as there is nothing to revolve, except the water motor, which is a part thereof. This is one of the most recent important improvements in the way of lawn sprinklers. Price, large size, 5 feet long, \$25.00; small size, 21 in. long, \$15.00.

## PEACOCK SPRINKLERS

A pipe arrangement, equipped with nozzles set at various distances. 8 ft. Junior.. \$10.00 | 12 ft. Peacock\$17.50

## TURBO SPRINKLERS

Especially designed for putting greens and for golf course fairways. Price, with stand, \$25.00; without stand, \$18.00.

## CICO AUTOMATIC SPRINKLER

This device is tapped to screw on  $\frac{3}{4}$  inch pipe. When properly regulated and operated, will water a circular area 50 to 60 feet in diameter. Can also be installed for permanent irrigation purposes. Price, heads only, \$3.50; with 18 inch standpipe, \$5.00.

## RAINING SPRINKLERS

For golf courses and putting greens.  
No. A. 42 in. high, on stand..... \$15.00  
No. B. 66 in. high, on tripod..... 20.00  
No. C. 36 in. high, on stand..... 12.50  
No. D. 18 in. high, on tripod..... 10.00

## RAINBOW SPRINKLERS

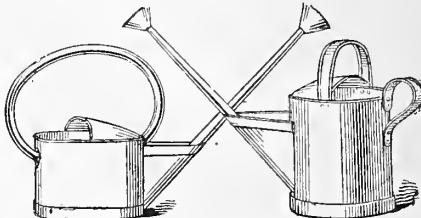
Standpipe style, for golf courses. Price, \$1.50.  
Sled style, for lawns. Price, \$3.00.

## PENNA. RAINMAKER SPRINKLER

This sprinkler will operate satisfactorily with a pressure of not less than 40 lbs.; covers an area of 60 to 75 feet in diameter; 29 in. high; weight 52 lbs. Price, \$25.00.

## MISCELLANEOUS SPRINKLERS

	Price	By Mail
Aetna. 24 in. high.....	\$2.75	\$3.00
C. B. G. For golf links.....	.50	.60
8-arm Peck. 48 in. high...	5.00	5.35
Mayflower. 12 in. high....	1.75	1.90
Pluvius. 11 in. high.....	1.75	1.90
Preston. 6 $\frac{1}{2}$ in. high.....	2.00	2.15
Universal. 10 in. high....	3.00	3.15
Waterwitch. 6 in. high....	.60	.70

WATER CANS (Wotherspoon's)  
Extra Heavy—With Long Spout—Will Last for Years

Each Wotherspoon can comes equipped with two roses, one coarse and one fine. These cans not mailable.

	Round	Oval
4 quart.....	\$3.50	
6 quart.....	3.85	\$4.50
8 quart.....	4.15	4.80
10 quart.....	4.45	5.10
12 quart.....	4.90	5.70
16 quart.....	5.40	6.40
4 quart Fern or Low Watering Can.....		2.75

## EXTRA ROSES OR SPRAYS

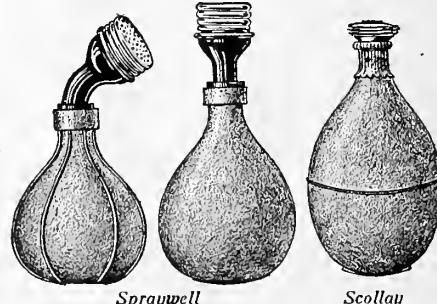
For Wotherspoon Watering Can, either coarse or fine, 50c. each. (By mail, 55c.)

## IRON CLAD WATER CANS

Made of light galvanized iron.

4 quart.....	\$1.00
6 quart.....	1.15
8 quart.....	1.30
10 quart.....	1.55
12 quart.....	1.65
16 quart.....	2.10

Iron Clad



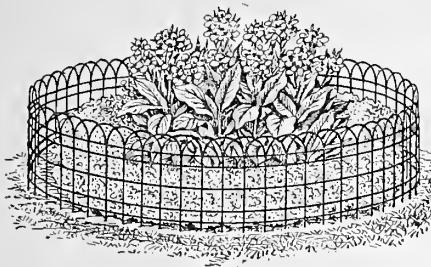
## RUBBER SPRINKLERS

Either Straight Neck or Crook Neck.	
Spraywell, 6-oz. cap.....	\$0.85
“ 8-oz. cap.....	1.00
“ 10-oz. cap.....	1.25
Scollay No. 1, 10-oz. cap.....	1.50

If wanted by Parcel Post, add 10c. each for postage.

## RUBBER APRONS

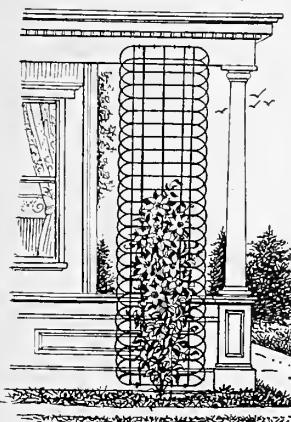
For watering, etc., made of extra heavy material; brass eyelets. \$2.50 each.



### FLOWER BED FENCING

For putting around beds, lawns, etc. Any length desired up to 165 running feet.

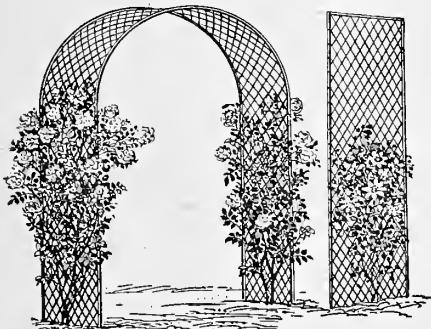
18 in. Less than 165 ft. roll, 15c. per ft.  
18 in. In roll lots, 165 ft., 12c. per ft.  
24 in. Less than 165 ft. roll, 17c. per ft.  
24 in. In roll lots, 165 ft., 15c. per ft.



### CONTINUOUS WIRE TRELLIS

Excellent for training vines of all kinds up porch verandas, pergolas, etc. Thoroughly galvanized and well made.

Any length desired up to 165 running feet.  
18 in. wide, less than 165 ft. roll, 14c. per ft.  
18 in. wide, in roll lots, 165 ft., 11c. per ft.  
24 in. wide, less than 165 ft. roll, 16c. per ft.  
24 in. wide, in roll lots, 165 ft., 14c. per ft.



### GALVANIZED WIRE WORK

This can be furnished on short notice, any height or any width, in either trellises or arches. Made of heavy diamond mesh wire with strong frames. It requires usually several weeks in which to complete orders for this. 45c. per sq. ft. on pieces aggregating 10 sq. ft. or over; less than 10 sq. ft. pieces, 50c. per sq. ft.

### WIRE NETTING

Price is constantly changing and is subject to change.

No. 19. Galvanized, two-inch mesh, 150 running feet per bale.

Width	Per Bale	Width	Per Bale
12 inches	\$1.68	42 inches	\$4.88
18 inches	2.40	48 inches	5.58
24 inches	3.00	60 inches	6.88
30 inches	3.68	72 inches	8.37
36 inches	4.19		

No. 20, galvanized, one-inch mesh, 150 running feet per bale.

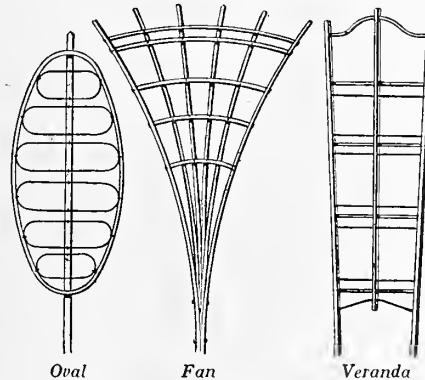
Width	Per Bale	Width	Per Bale
12 inches	\$3.36	42 inches	\$9.75
18 inches	4.80	48 inches	11.15
24 inches	6.00	60 inches	13.00
30 inches	7.32	72 inches	15.60
36 inches	8.37		

### STAPLES

3/4 inch, for fastening netting, 15c. per lb.

### CUT WIRE NETTING

We can furnish this in both 1- and 2-inch mesh, in units of 25-ft., 50-ft., 75-ft., 100-ft. and 125-ft. lengths. 1-inch mesh at 4c. per square ft.; 2-inch mesh at 2c. per square ft.



### VERANDA TRELLIS

Made of wood and painted green.

2 feet	\$0.90	6 feet, heavy	\$2.50
3 feet	1.35	8 feet, heavy	3.25
4 feet	1.50	10 feet, heavy	3.75
5 feet, heavy	2.25	12 feet, heavy	4.50

### FAN TRELLIS

Made of wood and painted green.

18 inch	\$0.40	36 inch	\$1.35
24 inch	.50	42 inch	1.55
30 inch	.80	48 inch	2.00

### OVAL TRELLIS

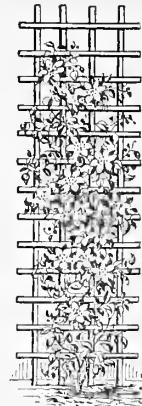
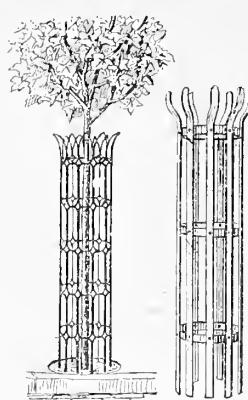
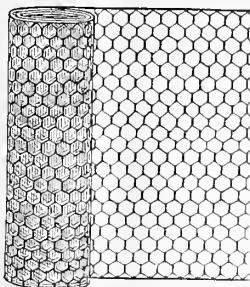
Made of wood and painted green.

24 inch	\$0.60
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### LATTICE TRELLIS

Made of wood and painted green.

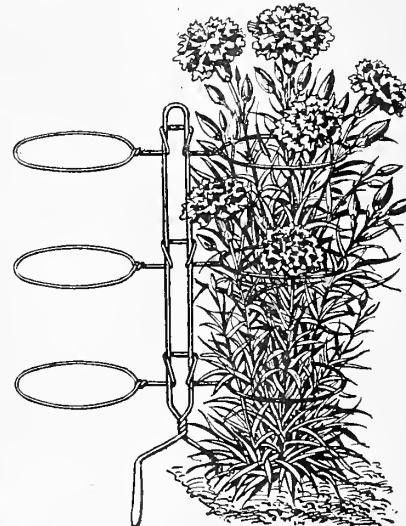
18 in. wide	24 in. wide
6 feet	\$2.50
7 feet	3.00
8 feet	3.25
9 feet	3.50
10 feet	4.00
12 feet	4.50
	\$3.00
	3.75
	4.25
	4.50
	5.00
	6.00



### TREE GUARDS

**Galvanized Wire.** Carefully made of heavy material and finished in a neat and substantial manner. 12 in. diam., \$3.75; 9 in. diam., \$3.00 each.

**No. 4 Iron.** Made of flat iron, finished black; will last indefinitely with an occasional painting. \$3.75 each.



### CARNATION SUPPORTS

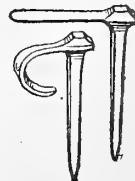
The Richmond shown is the most popular support on the market. Can be put together in a minute and is always satisfactory; 24 inches high.

<b>Richmond, double</b>	100	1000
Doz.	\$7.50	\$67.50
<b>Model, 2 ring</b>	100	1000
Doz.	\$6.50	\$60.00
<b>Model, 3 ring</b>	100	1000
Doz.	\$7.00	\$65.00

### WALL NAILS

For fastening climbing vines; equipped with a soft metal clasp which holds the vine against the wall.

Doz.	100
	\$0.45
1 inch	\$2.75
1 1/2 inch	.60
2 inch	4.50
	3.75



# MICHELL'S HORTICULTURAL AND GARDEN SUPPLIES

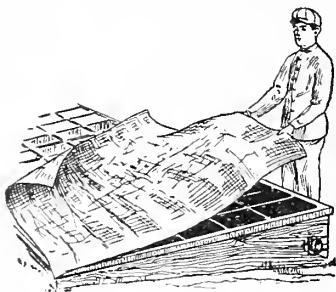
## HOT BED SASH

Philadelphia Style. Made of best quality cypress. Size, 3 feet 1 1/2 inches wide, 6 feet long, 1 3/4 inches thick. Plain, not glazed or painted. Each, \$4.00.

Glazed, including painting and puttying. Each, \$10.00.

Sunlight Style. Plain, unglazed. Each, \$5.25. Glazed and painted. Each, \$12.00.

Packing Charges on all Glazed Sash, 50c. per sash additional.



## HOTBED MATS

Hotbed mats keep frost and severe cold out of frames. They mean earlier and bigger crops. The Burlap style are the best mats that it is possible to procure. They are padded with shoddy and are practically indestructible.

**Burlap, Non-Waterproof.** 76 x 76 inches, covering two regular size sash. Each, \$3.50; \$37.50 per doz.

**Burlap, Non-Waterproof.** 40 x 76 inches, for one sash. Each, \$2.25; \$25.00 per doz.

**Burlap one side, Waterproof Drill** one side. 76 x 76 inches. \$5.00 each; doz., \$55.00.

**Burlap one side, Waterproof Drill** one side, 40 x 76 inches. \$2.75 each; doz., \$30.00.

**Straw Mats.** 3 x 6 feet. \$2.00. Each

**Straw Mats.** 6 x 6 feet. 3.50

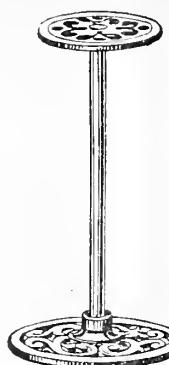
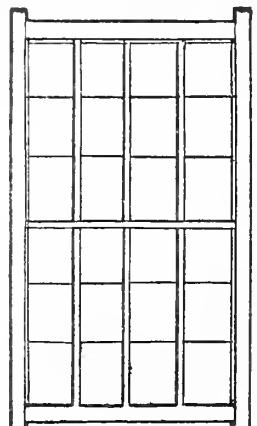
Special size Hotbed Mats to order; any length, but only in 72-inch widths.

Straw Mats made to order any length, 6 ft. wide. Under 100 sq. ft., 15c. per sq. ft.; 100 to 150 sq. ft., 13 1/2c. per sq. ft.; 150 sq. ft., and over, at 12 1/2c. per sq. ft.

## SHADING OR PROTECTING CLOTH

Largely used as a substitute for glass where protection is desired. It is admirable for summer use, protecting plants, etc., from the sun and at the same time allowing ventilation. Made of brown cloth.

	Yards Per Piece	Price Per Yard	Price Per Piece
Light....	60	\$0.16 1/2	\$9.30
Medium...	60	.23	13.20
Heavy....	40	.31	12.00



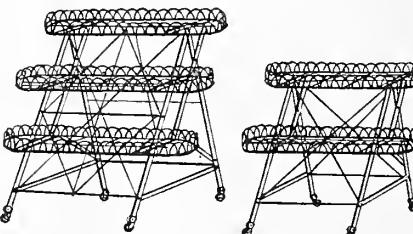
## IRON PLANT STANDS

These have a tilting device so that plant may be set at any angle if desired. Enameled green.

In.	Size of Plates	Each
12	5 x 7	\$1.40
18	5 x 7	1.50
24	8 x 10 1/2	2.25
30	8 x 10 1/2	2.35
36	8 x 10 1/2	2.50
42	8 x 10 1/2	2.60
48	8 x 12	2.75
60	8 x 12	3.00
72	8 x 12	3.25

## EXTRA PLATES FOR IRON STANDS

Each	Each
5 inch.....	\$0.50
7 inch.....	.60
12 inch, each.....	\$1.10



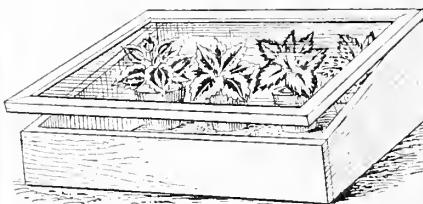
Jones Plant Stands

## WIRE PLANT STANDS

Painted dark green and finished in bronze. Very substantial and will carry most any weight that can be placed on them. We recommend the Jones style, as it is collapsible and takes up very little space when not in use.

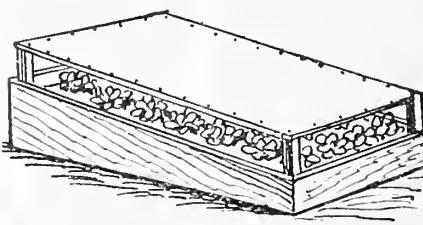
Jones, 2 shelf.. \$5.00 | Jones, 3 shelf.. \$6.00

When wire plant stands require packing for shipment by express and freight, there is a charge of 50c. made for packing.

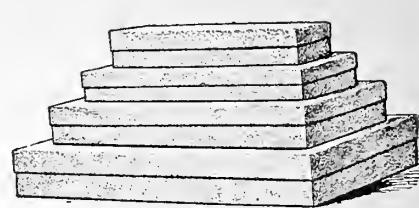


## MINIATURE HOTBEDS

These are very handy to use in connection with window gardening. Suitable for raising seedlings or for rooting cuttings. Seeds started in these will mean an early flower or vegetable garden. 12 x 20 in., \$3.50 each. Complete with glass. Not mailable.



Shading or Protecting Cloth



## CUT FLOWER BOXES CORRUGATED PAPER

These are desirable for shipping cut flowers from country estates to city residences, very durable.

Each Doz.

48 x 14 x 8 inch.....	\$0.70	\$7.25
42 x 14 x 8 inch.....	.60	6.00
36 x 14 x 6 inch.....	.55	5.25
30 x 12 x 6 inch.....	.50	4.75
24 x 8 x 5 inch.....	.45	4.50

## LIGHT WEIGHT PAPER

Mist green, lined white inside. The sizes offered in this finish are carried in stock, other sizes in this finish, also in manila, mist tan and oxford gray can be supplied on short notice.

L. W. D.	Doz.	100
18 x 5 x 3 inch.....	\$0.60	\$4.40
24 x 5 x 3 1/2 inch.....	1.00	6.85
24 x 8 x 4 inch.....	1.15	8.50
28 x 8 x 5 inch.....	1.75	12.00
30 x 10 x 6 inch.....	2.10	16.00
30 x 12 x 7 inch.....	2.75	20.00
36 x 8 x 5 inch.....	2.00	15.00

We can also supply other sizes and styles of boxes.

## PAPER FOR WRAPPING BOXES AND FLOWERS

Lb. 1/2 Rm. Rm.

Manila. For wrapping...	\$0.20	\$2.25	\$4.00
Manila. Tissue.....	.25	1.20	2.25
Wax. White, 24 x 36 in...	.35	1.65	3.00
Wax. Green, 24 x 36 in...	.50	2.25	4.00

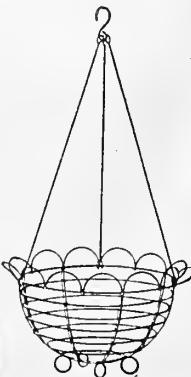
## CREPE PAPER

Color, green. 50c. per roll.

## ROOFING PAPER, ETC.

Sq. ft. Per roll

Celery Paper.....	500	\$2.50
Marley Rubber Roofing, 1-ply	108	3.00
Marley Rubber Roofing, 2-ply	108	3.50
Marley Rubber Roofing, 3-ply	108	4.00
Caps for paper. 1 lb., 12c.; 5 lbs., 55c.		
Nails for paper. 1 lb., 12c.; 5 lbs., 55c.		



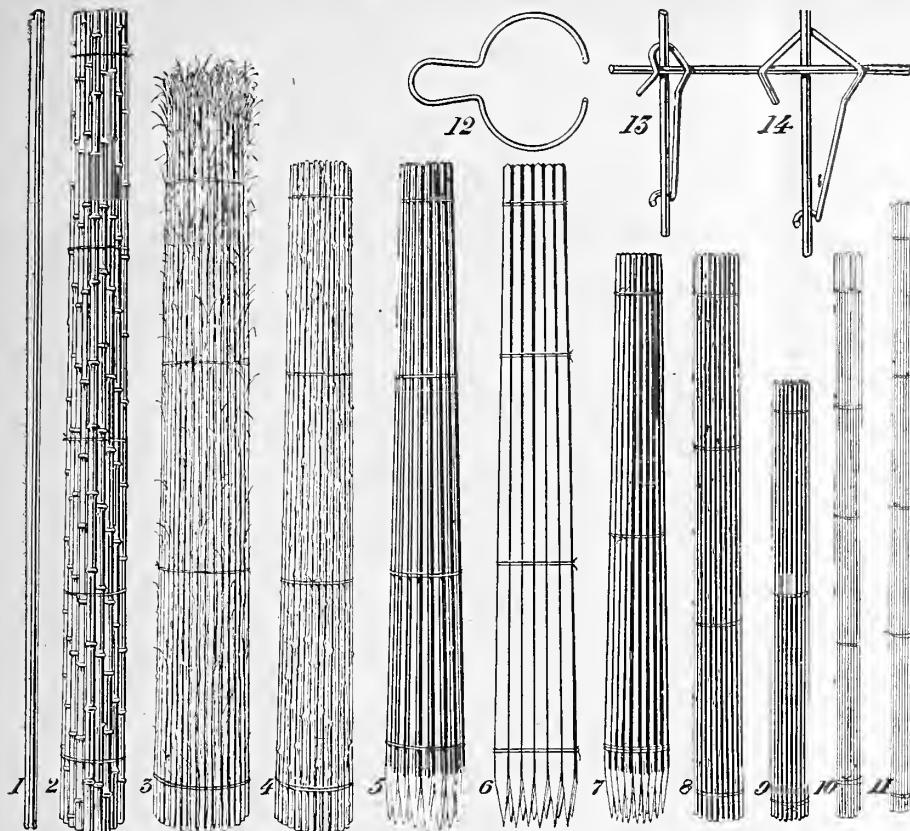
## HANGING BASKETS

### Galvanized Wire

For greenhouse, porch and conservatory.

Each Doz.

8 inch....	\$0.30	\$3.00
10 inch....	.40	4.00
12 inch....	.60	6.00
14 inch....	.70	7.25
16 inch....	.85	9.00



**KEY TO ABOVE ILLUSTRATION:** No. 1, Pole for Pruners; No. 2, Bamboo Poles, STAKES; No. 3, Southern Cane; No. 4, Japanese Cane, Natural; No. 5, Dahlia; No. 6, Square; No. 7, Tapering; No. 8, Japanese Cane, green; No. 9, Hyacinth; No. 10, Galvanized Wire, No. 10, wire; No. 11, Galvanized Wire, No. 8, wire; No. 12, Wire Plant Tie; No. 13, Eureka Stake Fastener; No. 14, Everlasting Stake Fastener.

## HYACINTH STAKES

Used for staking hyacinths, tulips and slender plants; dyed green.

Inch	Doz.	100	1000
5		\$0.05	\$0.25
12	.07	.35	2.50
18	.10	.45	3.50

If wanted by Parcel Post, add 10c per 100 for postage.

## GALVANIZED WIRE STAKES

### No. 10 WIRE, LIGHT

Feet	Doz.	100	1000
2		\$0.25	\$1.25
2½			\$9.25
3		.30	1.60
3½		.40	2.00
4		.45	2.25
4½		.50	2.50
5		.55	2.75
5½		.65	3.00
6		.75	3.50
		.85	3.75
			30.00

### No. 8 WIRE, HEAVY

Feet	Doz.	100	1000
2		\$0.35	\$1.60
2½		.40	1.80
3		.50	2.25
3½		.55	3.00
4		.60	3.25
4½		.65	3.50
5		.70	3.75
5½		.85	4.25
6		.95	4.75
			40.00
			6

## TAPERING PLANT STAKES

### PAINTED GREEN

Feet	Each	Doz.	100
1½	\$0.03	\$0.30	\$2.00
2	.05	.50	3.75
2½	.07	.75	5.50
3	.10	1.00	7.00
3½	.11	1.10	8.50
4	.13	1.40	11.00
5	.16	1.85	13.50

## ROSE OR DAHLIA STAKES

Round tapering style; painted green.

Feet	Each	Doz.	100
3	\$0.13	\$1.44	\$11.00
3½	.15	1.66	13.00
4	.17	1.92	15.00
5	.22	2.50	19.00
6	.27	3.10	23.00

If wanted by Parcel Post, add 20% to doz. price for postage.

## SQUARE PLANT STAKES

These are painted green and nicely tapered and finished.

Feet	Each	Doz.	100
1½	\$0.03	\$0.30	\$2.00
2	.05	.50	3.00
2½	.06	.60	4.25
3	.11	1.08	7.50
3½	.12	1.15	8.50
4	.15	1.40	9.75
5	.20	2.00	14.00
5½	.25	2.50	16.50
6			

## JAPANESE GREEN CANE STAKES

These are very attractive for all purposes of plant staking; thin and very strong.

Feet	Doz.	100	500	1000
1½		\$0.15	\$0.75	\$3.25
2		.20	1.25	5.50
2½		.25	1.40	6.75
3		.35	1.60	7.00
3½		.35	2.00	8.00
4		.40	2.25	9.00
5		.50	2.50	10.00

## JAPANESE NATURAL CANE STAKES

### STAKES

Feet	Doz.	100	500	1000
2½		\$0.20	\$1.35	\$5.75
3		.25	1.60	7.00
4		.30	2.00	7.50
6		.40	2.25	10.00

## WIRE STAKE TIE

(Buschardt's)

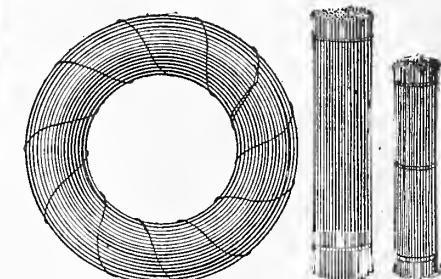
For fastening plants to stakes, either wire or wood; can be used many times. 1000 ties in a pkg. Price, \$2.50.

## STAKE FASTENERS

These take the place of string entirely, lasting several seasons; used for fastening cross wires to galvanized stakes.

	500	1000
Everlasting Style	\$2.25	\$4.00
Eureka Style	1.40	2.75

If wanted by Parcel Post, add 15c. per 500; 20c. per 1000 for postage.



## WIRE

Allow for postage if wanted by mail. 12-lb. Lb. Stone

No. 16.	Galvanized	.....	\$0.20	\$1.60
No. 18.	Galvanized	.....	.22	1.75
No. 19.	Galvanized	.....	.24	2.00
No. 20.	Galvanized	.....	.26	2.10
No. 22.	Galvanized	.....	.28	2.25
No. 16.	Annealed	.....	.18	1.30
No. 18.	Annealed	.....	.20	1.50
No. 20.	Annealed	.....	.24	1.65
No. 22.	Annealed	.....	.26	1.85
No. 24.	Annealed	.....	.28	2.00

## TINNED WIRE

Used for bunching celery, etc. No. 19, in 10-lb. boxes, cut 8½ inches, 30c. per lb.; per box, \$2.50.

## CUT BOUQUET WIRE

### For Stemming Flowers

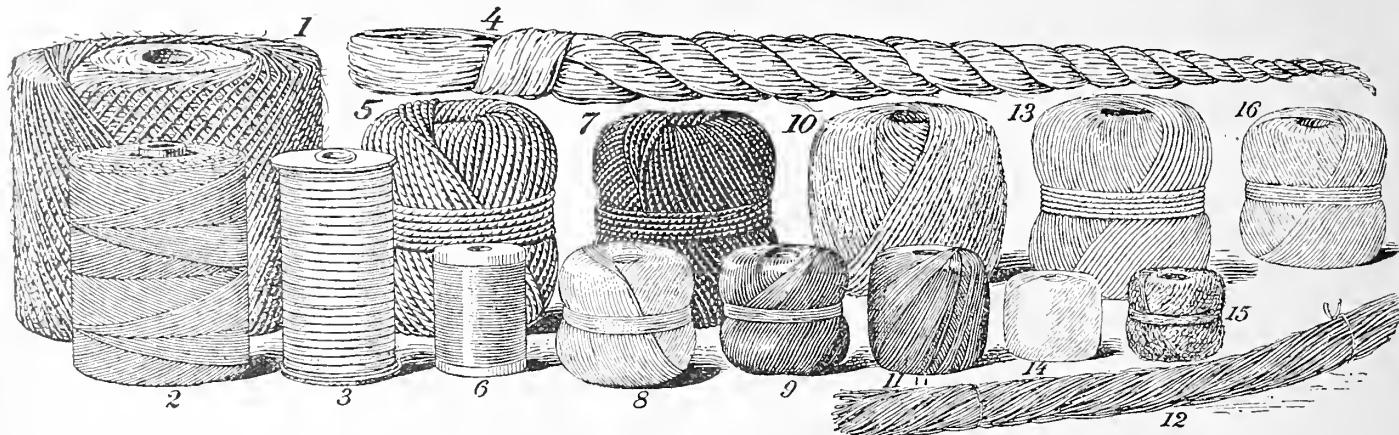
Cut 9, 12 or 18 inches in length. No. 20, 25c. per lb.; per box, 12 lbs... \$2.00 No. 22, 30c. per lb.; per box, 12 lbs... 2.25 No. 24, 35c. per lb.; per box, 12 lbs... 2.75

## BAMBOO POLES

Used extensively for brushing worm casts off Putting Greens, also for staking young trees. Each Doz. 100  
15½ to 16 feet long... \$0.50 \$5.50 \$40.00  
17½ to 18 feet long... .60 6.50 50.00  
19 to 20 feet long... .75 7.50 60.00

## Poles for Tree Pruners

12 feet long, 1½ inch diam..... \$2.50  
14 feet long, 1½ inch diam..... 3.00



Key to above illustrations. No. 1, Binder; No. 2, Peerless; No. 3, Raffiatape; No. 4, Raffia; No. 5, Express; No. 6, Silkaline; No. 7, Tarred Marlin; No. 8, Cayuga, Medium; No. 9, Smilax; No. 10, Jute; No. 11, Green Sea Island; No. 12, Tarred Sisal; No. 13, Japanese; No. 14, Special White Cotton; No. 15, Linen Bouquet; No. 16, Cayuga, heavy.

### TWINES, ETC.

	Ball	Lb.
No. 108. White Cayuga, Medium	\$0.45	\$0.80
No. 208. White Cayuga, Heavy	.45	.80
Jute, 2-ply and 3-ply	.20	.35
Linen Bouquet	.15	1.00
Green Sea Island	.15	.90
No. 4½. Japanese Twine. Medium heavy	.25	
Jefferson White Cotton, 3-ply	.13	.60
Peerless, Color, Nile green		1.00
Tarred. For mat making	.40	
Tarred Sisal. For fodder		.15
Binder		.20
Express. Very heavy		.30
Green Silkaline. For stringing Smilax and Asparagus, etc. F. fine; FF, medium; FFF, coarse.		
Price, per spool, 40c.		
Price, per lb. (8 spools)		\$2.75
Smilax Twine (Silkaline Substitute). Very similar to the above; fast color. Price, 25c. per spool; per lb., \$1.50.		

### RAFFIA

For tying, basket making and Fancy work; very long and fibrous. Natural Color. 25c. per lb.; 5 lbs., \$1.20. Green, \$1.00 per lb.; 5 lbs., \$4.75.

### RAFFIATAPE

This article is made of a composition of paper and linen and is tremendously strong; it is about  $\frac{1}{8}$  inch wide and is put up in 250-yard bolts or hanks. This is very desirable for tying bouquets, flower boxes or for any other purpose where attractive tying material is desired. Color, Nile green. Per bolt of 250 yards. 90c. (By mail, \$1.00.)

Our Garden Tool and Sundries Department we believe to be the most fully equipped of any seed store in the United States. Most every article of real merit for horticultural work will be found here, and of the best quality.

### JONES' POT BRACKET

No. 1. Holds 5-inch pot. Each 55c.; \$6.00 per doz.

No. 2. Holds 6-inch pot. Each 60c.; \$6.50 per doz.

No. 3. Holds 7-inch pot. Each, 70c.; \$7.50 per doz.

If wanted by Parcel Post, add 10c. each for postage.



### TREE LABELS

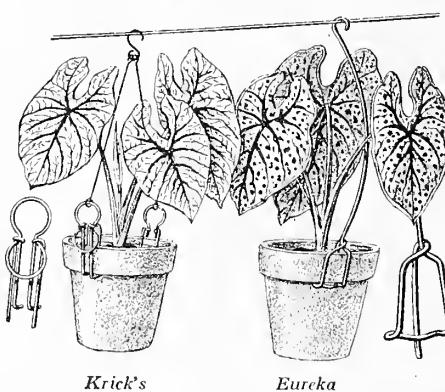
If wanted by Parcel Post, add 10c. per 100 for postage.

	100	1000
Iron Wired. Plain	\$0.35	\$2.25
Iron Wired. Painted	.45	2.75
Copper Wired. Plain	.45	2.75
Copper Wired. Painted	.55	3.25
Copper Sheet, wired. 30c. doz.	1.75	
Zinc Sheet, wired. 30c. doz.	1.75	
Indelible Marking Pencils. Each	18c.	

### PAINTED POT LABELS

By Mail  
100 per 100 1000

4 inch	\$0.35	\$0.40	\$2.30
4½ inch	.40	.45	2.80
5 inch	.45	.50	3.05
6 inch	.50	.60	3.55
8 inch	1.60	1.70	9.50
10 inch	2.00	2.10	12.25
12 inch	2.35	2.50	14.40
18 inch, for field use	6.25	6.45	57.00



### POT HANGERS

Each Doz.

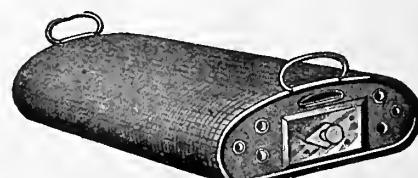
Krick's No. 1. For 3 to 5-in. pots..... \$0.07 \$0.70

Krick's No. 2. For 6 and 7-in. pots..... .08 .80

Krick's No. 3. For 8 to 10-in. pots..... .09 .90

If wanted by Parcel Post, add 10c. per doz. for postage.

Eureka. Suitable for any size pot up to 8 inches. Made of galvanized wire, 15 inches long. 20c. each (By mail, 25c.); \$2.00 per doz. (By mail \$2.20); \$12.50 per 100.



### AUTOMOBILE HEATERS

These will keep the temperature above freezing in most any ordinary closed vehicle during the severest weather.

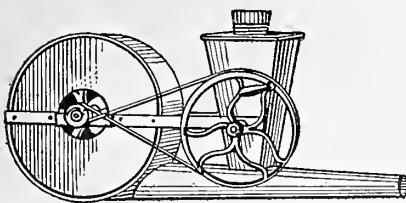
No. 2. Single drawer, 14-in. long each. \$3.75

No. 7B. 20-in., single drawer, covered with Brussels carpet. \$6.00 each.

No. 10. Three drawers. \$9.00 each.

Coal for automobile heaters. \$1.25 per doz. bricks; per 100, \$8.50.

Tongs for handling hot coal, 40c. pair.

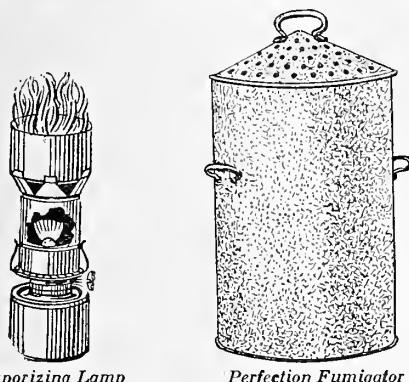


### SULPHUR BLOWER

For distributing sulphur and insecticides of various kinds. Made of heavy metal with no wearout to them. A man can dust a very large house in a few minutes, using one of these blowers. Price, \$8.00.

### VAPORIZING LAMP

Practical and indestructible; all metal; burns kerosene; used for dispensing fumes of Nikoteen and other preparations of this sort. 85c. each. (By mail, 95c.)



Vaporizing Lamp

Perfection Fumigator

### FUMIGATORS

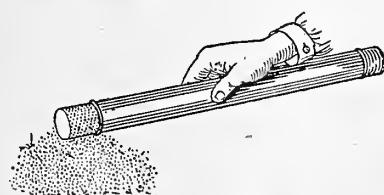
#### Perfection Make

Fitted with a water tank to prevent burning out.

No. 1 for house 12 x 40 ft. .... \$6.25  
 No. 2 for house 14 x 100 ft. .... 7.75  
 No. 3 for house 20 x 100 ft. .... 9.50  
 No. 5 for house 20 x 150 ft. .... 11.50

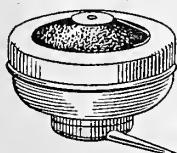
#### Eureka Make

No. 1 for house 10 x 20 ft. .... \$3.50  
 No. 2 for house 12 x 40 ft. .... 4.00  
 No. 3 for house 15 x 100 ft. .... 5.50  
 No. 4 for house 20 x 100 ft. .... 7.50



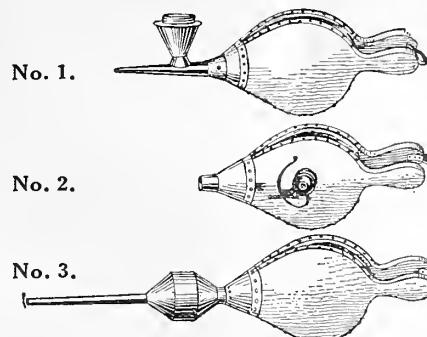
### DICKEY DUSTER

Excellent for distributing Bug Death, Slug Shot, etc. Price, 50c. (By mail, 60c.)



### WHIRLWIND POWDER GUN

For distributing dry powder. Price, 35c. (By mail, 40c.)



### WOODASON HAND BELLOWS

	Price	By Mail
No. 3. Large double cone	\$6.75	\$6.90
Large single cone	4.75	4.85
No. 1. Small single cone	3.25	3.35
No. 2. Sulphur bellows	4.00	4.10

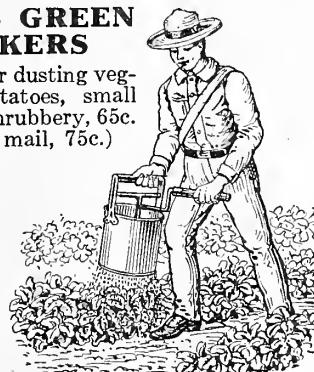
### PARIS GREEN SHAKERS

Tin. For dusting vegetables, potatoes, small fruits and shrubbery, 65c. each. (By mail, 75c.)

#### Farmers' Favorite.

(See. cut.)

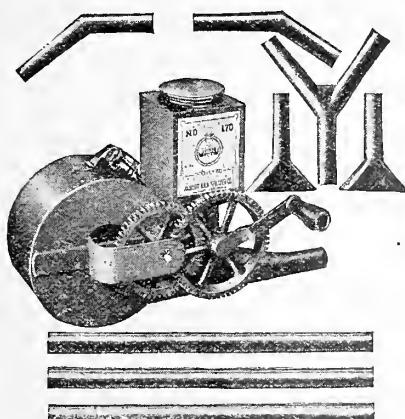
Large double action affair. \$3.75 each. (By mail, 3.90.)



### B. D. SHAKER



For applying dry insecticides, such as Bug Death, Slug Shot, Paris Green, etc.; made of tin; practical and durable, 85c each (By mail, 95c.)



### UTILITY DUSTER

Used for the application, in dry form, of Arsenate of Lead, Paris Green, etc. Made of heavy tin, enameled red; iron and brass machined cut gears. Provided with tubes, connections and nozzles as illustrated; also an adjustable carrying strap. Price, \$13.00.

### KEY DUSTER GUN

This device contains a chamber into which is inserted a cartridge or canister of powdered insecticide. No handling or mixing of chemicals, and without the use of water.

The following is a list of preparations.

	Price per canister
Kaphis. For Aphis, etc.	\$0.15
Bordeaux Arsenate	.15
Lime Sulphur	.15
Hellebore	.15
Ofloro. For flowers and shrubs.	.15
Price of Gun	1.50

### TORCHES



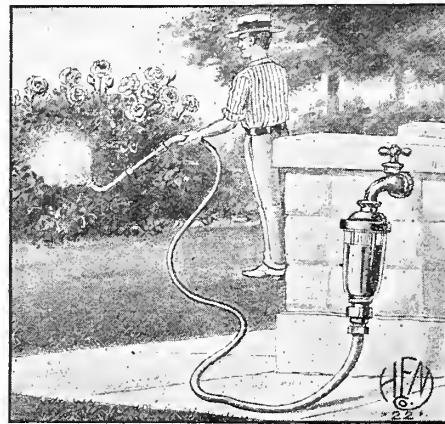
For burning out worms, caterpillars and tree pests.

Reservoir .... \$0.60  
 Asbestos .... .65

If wanted by Parcel Post, add 10c. each for postage.

### POLES FOR TORCHES, Etc.

Hardwood, 12 ft., \$2.50; 14 feet heavy, \$3.00. Poles are not available.



Houghton Sprayer

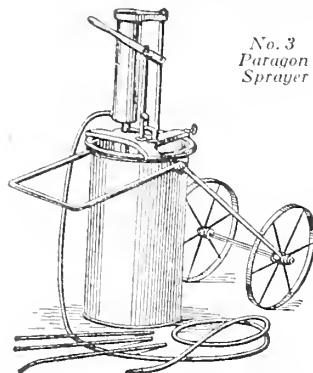
### HOUGHTON SPRAYER

A device for attaching to the water line spigot for distributing greenhouse insecticides or fertilizers; can also be attached to force spray pump by means of an interchangeable ferrule,  $\frac{1}{2}$  and  $\frac{3}{4}$ -inch. The illustration shows a glass reservoir into which a cartridge of insecticide or fertilizer is put, the water is turned on after the hose is attached and you have a perfect system of applying insecticides to plants either under glass or out of doors. Price of nozzle, pipe and reservoir with interchangeable ferrules, \$6.75.

#### Price List and Varieties of Cartridges:

	Each	Doz.
Arsenate of Lead	\$0.60	\$6.50
Hellebore (Petroleum)	.60	6.50
Arsenate of Lead and Fish Oil (Comb.)	.60	6.50
Fish Oil	.60	6.50
Fish Oil and Nikoteen	.60	6.50
Fertilizer	.60	6.50
Caustic Petroleum	.60	6.50
Bordeaux and Fish Oil	.60	6.50

# MICHELL'S SPRAYING APPARATUS



No. 3  
Paragon  
Sprayer

## THE PARAGON SPRAYER

Especially desirable for the reason that it is not necessary to strain the material before pouring it into the reservoir, although we recommend that this be done; guaranteed to give absolute satisfaction. Excellent for applying whitewash or paint.

No. 0. Capacity, 3 gallons; equipped with 4 ft. of hose, one 3-ft. extension pipe and 2 spray nozzles. Price, \$12.50.

No. 1. With a 5-gal. reservoir, 5 ft. of hose and 2 extension pipes, \$17.50; complete with truck, \$22.50.

No. 3. Equipped with a 12-gal. tank mounted on a truck, three 2½ ft. extension pipes, 2 nozzles and 10 ft. of hose, \$25.00. Without truck, \$21.50. We can also supply this sprayer with single wheel at same price.

No. 4. Mounted on a two-wheel truck; equipped with 10 ft. of extension pipe, 20 ft. of hose and 2 nozzles. 25-gal. barrel, complete, \$39.50. Without truck, \$29.50.

No. 5. Capacity of barrel 50 gallons, equipped with 25 ft. 6-ply hose, 1 10-ft. iron extension pipe, 1 3-way nozzle and 1 single spray nozzle, no truck, \$45.00.

**Bucket Washers** for Paragon Sprayers, 30c. We can also supply parts for Paragon Sprayers; price list on application.

## AUTO SPRAY

This operates by compressed air; safe and efficient; liquid capacity, four gallons; pressure capacity, 40 lbs. They will successfully spray bushes, shrubbery and trees, the latter with the use of extension pipes. The brass tank sprayer is the best as corrosive solutions can be used in it without injuring the same. Auto-



Sprayers are not mailable.

No. 1-B.—Brass; equipped with hose and Auto-Pop Attachment, \$10.00.

No. 1-D.—Galvanized Iron; equipped with hose and Auto-Pop, \$7.00.

**Auto Pop Nozzle Attachment**; controls the flow instantly by a pressure of the hand. When Auto-Pop Attachment is purchased separately: Plain, \$2.00 each. \$2.50 complete with hose. P. P. Weight, 1 lb.

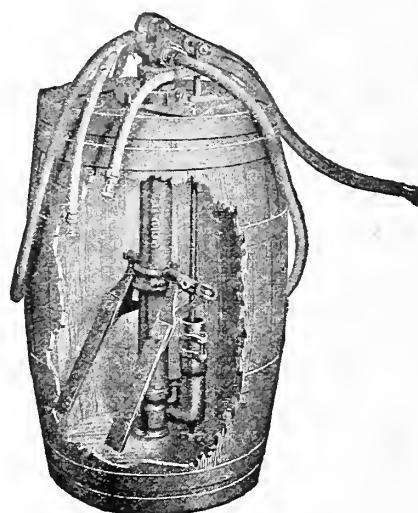
## GOULD'S FRUITALL BARREL PUMP No. 1188

A high-grade pump at an attractive price, within the reach of every one who has need for such a pump. 2 in. diameter cylinder. Bronze wearing parts. Plain pump, no hose, nozzle or barrel, \$12.00.

**Outfit C.**—With agitator, one 15 ft. lead of ½ in. spray hose and one Mistry Jr. nozzle (no barrel), \$18.00.

**Outfit D.**—With agitator, two 15 ft. leads of ½ in. spray hose and two Mistry Jr. nozzles (no barrel), \$24.50.

**Barrels** for holding spray solution, 50 gal. capacity, \$6.50.



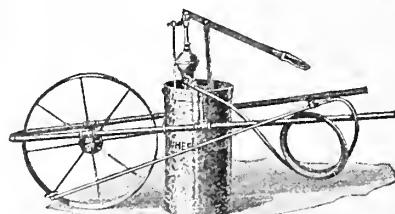
## GOULD'S POMONA PUMP

Can be used for feeding one or two leads of hose; all working parts are bronze, with lasting qualities. Fig. 1100. Plain pump, 2½ in. diam. cylinder only, \$22.00.

**Fig. 1100 Outfit C.**—With one 15 ft. section ½ in. spray hose and one Mistry Jr. nozzle (no barrel), \$27.50

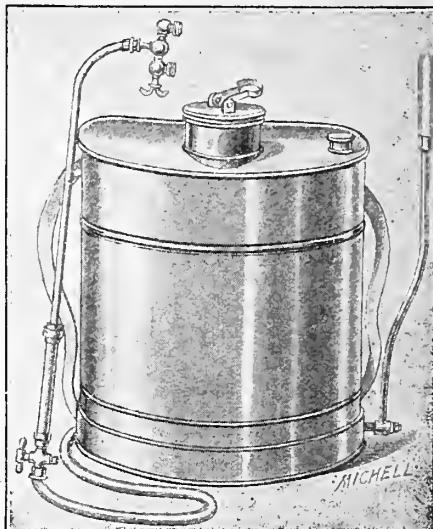
**Fig. 1100 Outfit D.**—With one 15 ft. sections ½ in. spray hose and two Mistry Jr. nozzles, \$33.50 each.

**Barrels** for holding spray solution, 50 gal. capacity, \$6.50 each.



## DEMING WHEELBARROW SPRAYER

A machine that is nicely balanced and easily transported. Extreme width 18 inches; narrow enough to go through the aisles of a greenhouse, 24 in. wheel with a 3 inch tread, making it easily handled over soft and rough ground. Pump has 1½ in. diam. cylinder, with adjustable stroke. Equipped with 12-gal. galvanized tank, 10 ft. hose, 4 ft. extension pole, nozzle and shut off valve. Price, \$30.00.



## No. 1 MYSTO SPRAYER

A new copper knapsack sprayer which works on a compressed air principle. Compact in construction and light in weight, so that it can be easily carried around. We will sell this sprayer under the condition that if it is not satisfactory it may be returned at our expense. Price, \$27.50.

## BUCKET SPRAY PUMP

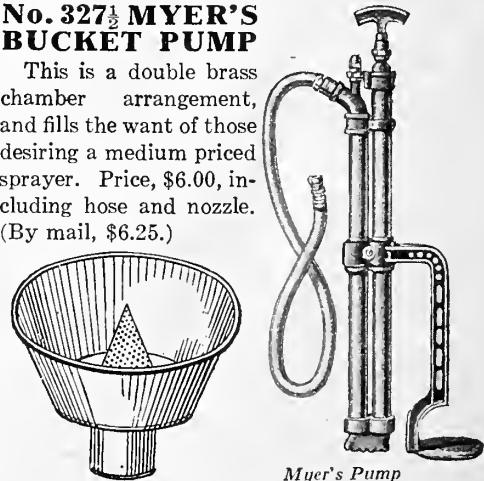
These are made entirely of brass, except the foot rest and hand grip. The prices below do not include bucket, but include nozzle and 3½ feet of ¾-in. hose and nozzle.

**No. 256. Success** (without bucket fastener), \$7.75. (By mail, \$8.00.)

**No. 689. Perfect Success** (with bucket fastener), \$8.25. (By mail, \$8.50.)

## NO. 327½ MYER'S BUCKET PUMP

This is a double brass chamber arrangement, and fills the want of those desiring a medium priced sprayer. Price, \$6.00, including hose and nozzle. (By mail, \$6.25.)



## COPPER STRAINER

For straining whitewash, spraying material, etc., \$1.40 each. (By mail, \$1.50.)



### DEMING KNAPSACK SPRAYERS

These are elegant for carrying around the garden, among shrubbery and tree work, etc.

Fig. 675. Copper tank, holding about 5 gals., complete with pump, nozzle and hose.....\$22.50

Fig. 654. Galvanized tank, holding about 5 gals., complete with pump, nozzle and hose.....16.50

Deming Knapsack Sprayers are not mailable.

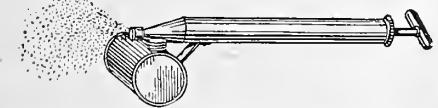


### AUTOMATIC COMPRESSED AIR SPRAYER

This is the grandest hand sprayer ever offered, very easily operated, especially desirable for ladies' use.

Tin. Each \$1.00. (By mail, \$1.10.)

Brass. Each \$2.00. (By mail, \$2.10.)



### CYCLONE HAND SPRAYER

Similar to the above, except they do not have the automatic air reservoir attachment.

No. 112, Tin, large, 50c. (By mail, 60c.)

No. 114, Brass, \$1.00. (By mail, \$1.10.)



### ROBERTSON POTATO SPRAYER

Distributes the spray solution on the top and underneath the foliage of potato vines and other plants. Made of galvanized iron, in a substantial manner. Price, \$1.75.

### JIM DANDY HAND SPRAYER

Adapted for spraying vegetables and flowers, small fruits, etc.; also valuable for spraying disinfectants in buildings. Heavy seamless brass pump, brass nozzle, non-clogable; throws long distance fine mist or coarse spray. Price, \$3.50.



### HEAVY BRASS SYRINGES

No.	Diam.	Length	Price By Mail
99.	1 1/2 in.	18 in.	1 spray \$4.75
101.	1 1/4 in.	14 in.	2 sprays 5.10
101A.	1 1/2 in.	16 in.	2 sprays 5.50
110.	1 3/4 in.	20 in.	2 sprays 11.00
120.	1 3/4 in.	20 in.	Adjustable 13.00
			13.20



### EXTENSION PIPES, ETC.

For reaching into trees;  $\frac{3}{8}$  inch threads.

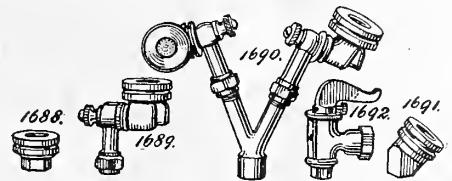
Bamboo, aluminum tube; 10 feet.....\$4.50

Galv. Iron, 2 ft. (By mail, 55c.).....50

Brass, 2 ft. (By mail, 75c.).....65

Pet Cock, for extension pipes.....1.25

Paragon Extensions, 2 1/2 ft., 55c. each. (By mail, 65c.)



### SPRAY NOZZLES (3/8-in. Thread)

Mistry, Jr., Fig. 1688, Straight style.....\$1.00

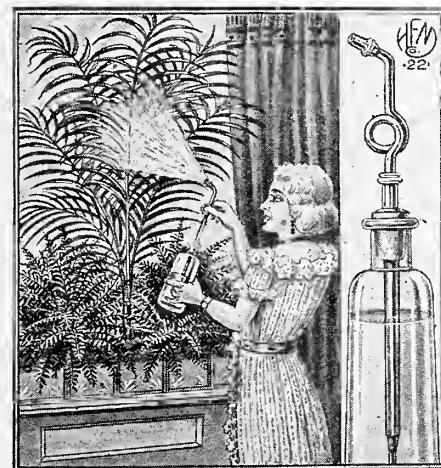
Mistry, Jr., Fig. 1691, Elbow style.....1.00

Mistry, Fig. 1689, Single nozzle, adjustable angle.....1.60

Mistry, Fig. 1690, Double nozzle, adjustable angle.....3.50

Bordeaux Nozzle, Fig. 1692, each, \$1.35

If nozzles are wanted for  $\frac{3}{4}$ -in. hose connections, add 65c. to above prices for Fig. 966 combination.



Misto Sprayer

### THE MISTO BOTTLE SPRAYER

An ideal sprayer for applying various insecticides to house plants. Makes a fine mist, avoiding all drip; so simple in design it will last forever; nothing to get out of order; made of metal, nicely nickelated; can be used in connection with most any ordinary bottle. Guaranteed in every respect or money back. Price, without bottle, \$1.25.



### LIQUID MANURE DISTRIBUTOR

This can be attached to hose with which you are watering and, connected with a barrel of liquid manure, the suction of water will draw a quantity of manure with it. \$2.75 each.

### SUNDRIES

Bulb Fibre. Qt., 15c.; 45c. per  $\frac{1}{2}$  pk.; pk., 75c.; \$1.25 per  $\frac{1}{2}$  bu.; bu., \$2.00.

Bull Dog Clips. For fastening packages, etc., \$1.25 per box.

Carnation Bands (Rubber). For mending bursted calyx. 30c. per oz.;  $\frac{1}{4}$  lb., \$1.00.

Carnation Clips (Bours). For mending carnations. \$1.00 per 1000.

Carnation Staples (Wire). 50c. per 1000.

Celery Tape. Fast red, in 1000-yard spools, \$5.50.

Charcoal (Lump). For use in potting. Pk., 65c.; \$2.25 per bu.; bbl. sack, \$3.25.

Charcoal (Ground). Coarse, fine and powdered. Per lb., 8c.; 35c. per 5 lbs.; 10 lbs., 60c.; \$1.25 per 25 lbs.; 100 lbs., \$4.00.

Glass Cleaner. \$2.75 gal.; 5 gals., \$11.00.

Grafting Wax.  $\frac{1}{4}$  lb., 15c.; 25c. per  $\frac{1}{2}$  lb.; lb., 45c.

Moss (Green Lump). Pk., 60c.; \$1.50 per bu.; bbl. bag, \$3.00.

Moss (Green Sheet).  $\frac{1}{2}$  pk., 40c.; 70c. per pk.; bu., \$2.00; \$3.50 per sack.

Moss (Sphagnum, dry). Bbl. bags, \$1.50; \$4.50 per large bale.

Moss (Sphagnum, live). Pk., 50c.; \$1.50 per bu.; bbl., \$3.25.

Peat or Leaf Mould. Pk., 50c.; \$1.50 per bu.; bbl., \$3.25.

Peat (Orchid). Pk., 75c.; \$1.75 per bu.; bbl. bag, \$3.25.

Pebbles. Qt., 10c.; 75c. per pk.; bu., \$2.00; \$4.00 per bbl.

Pruning Compound. Per qt., 85c.; \$2.50 per gal.

Sand. For propagating. Per qt., 10c.; 40c. per pk.; bu., \$1.40; \$3.00 per bbl.

Shaderine. For shading greenhouse glass. 5 lbs., \$1.50; \$3.00 per 10 lb. can.

Soil. For potting. Qt., 10c.; 25c. per  $\frac{1}{2}$  pk.; pk., 40c.; \$1.50 per bu.; bbl., \$3.25.

Tin Foil (Plain). In 5 and 6-inch widths. 1-lb. pkgs., 25c.; 5 lbs. for \$1.20; 5-inch width in 5-lb. rolls, \$1.30. Green or violet in 1-lb. pkgs., 60c. per lb.

Toothpicks. Wired. 50c. per 1000; 10,000, \$3.75.

Toothpicks. 4-inch, wired, green; per 1000, \$1.00; \$3.75 per 4500.

Toothpicks. 6-inch, wired, green; per 1000, \$1.20; \$3.30 per 3000.

Tree Paint (Target Brand). Qt., 85c.; \$2.50 per gal.

Weed Killer. Qt., 55c.; 90c. per  $\frac{1}{2}$  gal.; gal., \$1.75; \$6.75 per 5 gals.; 30 gals., \$33.00; \$50.00 for 50 gals.

Zementine. For whitewashing and shading. 2 lbs., 40c.

# MICHELL'S INSECT DESTROYERS, ETC.

DIRECTIONS FOR USING ANY OF THE FOLLOWING WILL BE FOUND ON EACH PACKAGE



**Ant Exterminator.** A powder that is used for distributing around buildings, on greenhouse benches, on lawns, gardens, and any other places infested by ants. Per  $\frac{1}{4}$  lb., 30c.; 50c. per  $\frac{1}{2}$  lb.; 80c.; \$3.25 per 5 lbs.

**Aphine.** For destroying aphis, green fly, thrip, red spider and other greenhouse and outdoor insects. It dilutes readily in water about 1 part to 40 of the latter. Per  $\frac{1}{4}$  pt., 25c.; 40c. per  $\frac{1}{2}$  pt.; pt., 65c.; \$1.15 per qt.; per gal., \$3.25.

**Aphis Punk.** A paper that has been thoroughly saturated with nicotine. Used for fumigating, giving off dense fumes of nicotine. Excellent for aphis, thrip, white and green fly, also red spider. Contains  $22\frac{1}{2}\%$  of nicotine. Guaranteed effective if used within 6 months of the date on the container; each package contains 12 sheets, 33 x 6 inches or  $16\frac{1}{2}$  sq. ft.; this is in excess of competitive products, so the Aphis Punk is the most economical product of its kind to use. (For use in greenhouses only.) Per pkg. of 12 sheets, 90c.; \$9.00 per case of 12 pkgs.

**Arsenate of Lead (Paste).** For spraying trees and shrubs against the attacks of leaf-biting insects of all kinds; especially valuable for spraying to prevent the codling moth; dilutes 1 lb. to 25 gals. water. Per lb., 45c.; \$2.00 per 5 lbs.; 10 lbs., \$3.75; \$7.00 per 25 lbs.; 50 lbs., \$13.50; \$26.00 per 100 lbs.

**Arsenate of Lead (Powdered).** 1 lb. to  $1\frac{1}{2}$  lbs. dilutes to 50 gals. of water, or may be used dry, like Paris Green. Per lb., 55c.; \$2.50 per 5 lbs.; 10 lbs., \$4.75; \$10.00 per 25 lbs.; 50 lbs., \$18.50; \$35.00 per 100 lbs.

**Black Leaf 10.** Per 1 oz. bottle, 35c.; \$1.25 per  $\frac{1}{2}$  lb.; 2 lbs., \$3.50; \$13.50 per 10 lbs.

**Bordeaux Arsenate.** A combined fungicide and insecticide, for fruit trees, potatoes, melons, cucumbers, etc.; also for mildew, black spots, etc., on roses. Per lb., 45c.; \$1.75 per 5 lbs.; 10 lbs., \$3.25; \$6.50 per 25 lbs.; 50 lbs., \$12.00; \$22.50 per 100 lbs.

**Bordeaux Mixture (Paste).** Used principally for mildew, blight and fungus diseases that affect potatoes and fruit trees; by adding water it is ready for use. In 5-gal. kegs only, price \$8.00.

**Bordeaux Mixture (Dry Form).** For dusting plants affected with mildew and all fungous diseases. Per lb., 30c.; \$1.25 per 5 lbs.; 10 lbs., \$2.00; \$4.25 per 25 lbs.; 50 lbs., \$7.50; \$14.00 per 100 lbs.

**Borowax.** For painting trees to destroy and keep away borers. Per qt., 55c.; \$2.00 per gal.; 5 gals., \$9.50.

**Bug Death.** Largely used instead of Paris Green. It is claimed to have the same effect. The manufacturers say that it acts as a fertilizer as well as an insecticide. It comes in powder form, and is applied pure. Not poisonous to persons. Per lb., 18c.; 45c. per 3 lbs.; 5 lbs., 75c.; \$1.50 per  $12\frac{1}{2}$  lbs.; 100 lbs., \$8.75.

**Carbolineum.** A germicide and disinfectant for purifying poultry houses, stables, etc. Per gal., \$1.50; \$7.00 per 5 gals.

**Clensel. (Paterson's Concentrated).** An imported insecticide and fungicide for greenhouse and outdoor spraying for aphis, thrip, etc. Per pt., \$1.10; \$3.30 per  $\frac{1}{2}$  gal.; gal., \$5.50.

**Copper Solution.** Made of sulphate of copper and other materials. Excellent spray for carnation rust and diseases of the grape, pear, apple, and other fruits. A good thing to use for leaf blight and mildew. It is diluted in water. Per qt., \$1.50; \$4.00 per gal.

**Cyanegg.** For generating Hydrocyanic Acid Gas. Claimed to be the best remedy for killing white fly. Per lb., \$1.00. Cannot be mailed.

**Dalmatian or Persian Powder.** For ridding buildings of all kinds of insect pests, particularly roaches, ants, moths and fleas. Per  $\frac{1}{4}$  lb., 40c.; 65c. per  $\frac{1}{2}$  lb.; lb., \$1.25; \$5.75 per 5 lbs.

**Fish Oil Soap (Good's Caustic).** Used extensively as a tree spray and as a summer remedy for San Jose Scale; it comes in a soft soap form and is easily dissolved, 1 lb. to 10 gals. water. Per lb., 25c.; \$1.10 per 5 lbs.; 10 lbs., \$1.85; \$3.75 per 25 lbs.; 50 lbs., \$6.00; \$11.00 per 100 lbs.

**Fish Oil Soap.** An excellent summer spray, when something stronger cannot be used, where San Jose Scale exists. It is nice for washing off lemon trees, oleanders, and almost anything that would be infested with soft-shelled or in fact most any kind of insect. Dissolved in water according to various purposes. Per  $\frac{1}{2}$  lb., 15c.; 25c. per lb.; 5 lbs., \$1.00; \$1.75 per 10 lbs.; 25 lbs., \$4.00; \$7.00 per 50 lbs.; \$11.00 per 100 lbs.

**Fish Oil Soap (Rosin).** Especially recommended for the destruction of boxwood maggot, bag worm and caterpillars. Per 5 lbs., \$1.50; \$2.75 per 10 lbs.; 25 lbs., \$4.50; \$7.50 per 50 lbs.; 100 lbs., \$12.50.

**Flyosan.** Quickly kills flies and other insect pests; applied with a sprayer. Per pt., 75c.; \$1.25 per qt.;  $\frac{1}{2}$  gal., \$2.25; \$4.00 per gal.

**Getz there Soap.** Ideal for washing palms and spraying in place of Whale Oil Soap. 2 lbs., 65c.; \$1.75 for 8 lbs.; 25 lbs., \$3.75; 50 lbs., \$7.00.

**Grape Dust.** A powder preparation used for mildew, aphis, black fly, and other insects and fungous diseases, principally in greenhouse. Per 5 lbs., \$1.00; \$1.85 per 10 lbs.

**Hellebore.** The ideal material for destroying rose bugs, currant worms, and other soft-shelled insects that infest the garden. It can be applied dry or in liquid form.  $\frac{1}{4}$  lb., 20c.; 40c. per  $\frac{1}{2}$  lb.; lb., 70c.; \$3.00 per 5 lbs.

**I X L Compound.** An English preparation for spraying; harmless to very delicate plants. Kills mealy bug, red spider and all insect pests. Per gal., \$7.50.

**Kerosene Emulsion (Liquid) (Miscible Oil).** Diluted in water this makes an excellent spray for all mild forms of scale, and soft lice of any kind such as infest rose and fruit bushes, vegetables and trees. Dilutes 1 part to 20 parts of water. Per pt., 50c.; 85c. per qt.; gal., \$2.25.

**Lemon Oil Insecticide.** The best and cheapest insecticide in the market. Used by nearly all the leading growers. It effectively destroys mealy bug, scale, thrip and red spider. Per  $\frac{1}{2}$  pt., 35c.; 60c. per pt., qt., \$1.00; \$1.75 per  $\frac{1}{2}$  gal.; gal., \$3.00; \$12.00 per 5-gal. keg.

**Lime Sulphur.** For scale insects on trees and shrubs, and such fungous diseases as can be treated in winter or early spring; also for leaf curl of peaches. Per qt., 50c.; 75c. per  $\frac{1}{2}$  gal.; gal., \$1.15; \$4.00 per 5 gals.;  $\frac{1}{2}$  bbl. (30 gals.), \$12.00; \$16.00 per bbl. (50 gals.).

**Lime Sulphur (Dry Powder Form).** Dilute 1 lb. to 6 gals. of hot or cold water. Per lb., 35c.; \$1.40 per 5 lbs.; 10 lbs., \$2.25; \$4.75 per 25 lbs.; 50 lbs., \$7.75; \$15.00 per 100 lbs.



## CARBONDALE HYDROMETERS

For testing the gravity of Lime-Sulphur solution; one should be in the hands of every man who uses this material. Price, \$1.25. (Postpaid, \$1.35.)

# MICHELL'S INSECT DESTROYERS, ETC.

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## DIRECTIONS FOR USING ANY OF THE FOLLOWING WILL BE FOUND ON EACH PACKAGE

**Lotol.** A complete concentrated contact remedy for spraying for *Aphis*, and many other insect pests, especially of the sucking species. It is also useful for the dipping of plants before setting out to cleanse and disinfect them. It is of a jelly-like consistency and dissolves readily in hot or cold water. Per 1 oz. tube 35c.; 75c. per 3 oz. tube;  $\frac{1}{2}$  lb. can, \$1.25; \$2.25 per 1 lb. can.

**Mag-O-Tite.** Protects crops against the ravages of the root maggot and other garden pests; also eradicates earth worms from lawns and putting greens. Not injurious in any way to plant life, but is a valuable stimulant and fertilizer. In powder form, ready for use. Per 2 lbs., 40c.; 65c. per 4 lbs.; 8 lbs., \$1.10; \$2.75 per 25 lbs.; 100 lbs., \$9.00.

**Melrosine.** An efficient Rose Bug remedy. A powerful and highly concentrated insecticide, used as a spray when diluted with from 20 to 25 times its bulk of water. Per 6 oz., 50c.; \$1.00 per pt.; qt., \$1.75; \$3.25 per  $\frac{1}{2}$  gal.; per gal., \$6.00; \$25.00 for 5 gals.

**Mo Lo.** A preparation for destroying and driving away moles. Per pkg., 25c.

**Nico Fume (Liquid).** For use as a spray or vapor, for controlling green fly, *aphis*, etc., in greenhouses and outdoors. Per  $\frac{1}{4}$  lb., 75c.; \$2.25 per lb.; 4 lbs., \$8.00; \$15.00 per 8 lbs.

**Nico Fume Paper.** For fumigating greenhouses; gives off dense fumes charged with nicotine. Per box of 24 sheets, \$1.35; \$5.50 for 144 sheets; 288 sheets, \$10.00.

**Nico Fume Tobacco Powder.** A tobacco powder highly charged with nicotine; splendid for fumigating greenhouses. Per lb. can, \$1.25; \$4.75 for 5 lbs.; 10 lbs., \$8.50.

**Nicotine (Hall's) (40%).**  $\frac{1}{2}$  lb., \$1.50; \$4.50 per 2 lbs.; per 8 lb. can, \$15.00.

**Nicotine Fumigator (Hall's) (12½%).** 1 lb. size, \$1.25; \$2.50 per 2½ lb. size; 10 lb. size, \$8.50.

**Nikoteen (30%).** One of the very best forms of tobacco or nicotine preparations; usually diluted in water; makes a most satisfactory spray as well as vapor. Per 1 oz. bottle, 25c.; 40c. per 1½ oz. bottle;  $\frac{1}{2}$  lb. bottle, \$1.25; \$2.00 per lb.; 4 lbs., \$7.50; \$13.50 per 8 lbs.

**Paris Green.** A poisonous powder for potato bugs, worms, caterpillars, slugs, etc. It may be used in liquid form 1 pound in 50 gallons of water, or with Land Plaster at the rate of 1 pound Paris Green to 100 pounds Land Plaster. Per  $\frac{1}{4}$  lb., 18c.; 35c. per  $\frac{1}{2}$  lb.; lb., 60c.; \$2.50 per 5 lbs.; \$6.25 per 14 lbs.

**P. T. B. (Para-Dichlorobenzine).** For peach tree borers; full directions on each package. Can be used successfully only during August and September, the makers claim it is not effective if used at other seasons. Do not use on very young trees. Ask for descriptive circular. Per 1 lb. can, 60c.; \$2.50 per 5 lb. can; 10 lb. can, \$4.00; \$8.00 per 25 lb. keg; 50 lb. keg, \$15.50; \$29.00 per 100 lb. keg.

**Pyrox (Bowker's).** A combined insecticide and fungicide for all leaf eating insects, blights and fungus troubles; it is a pasty substance, and needs only to be mixed with cold water. Per lb., 50c.; \$1.85 per 5 lbs.; 10 lbs., \$3.25; \$6.75 per 25 lbs.; 50 lbs., \$12.50; \$22.00 per 100 lbs.; 300 lbs., \$58.50.

**Rat Corn.** For destroying rats and mice in greenhouses, hotbeds, etc.; not poisonous to other animals, 25c., 50c. and \$1.00 per box.

**Readeana Rose Bug Exterminator.** Used for destroying rose bugs, green fly, mealy bug, blight, mildew, etc. Harmless to the most delicate plant. 4 oz., can, 25c.; 50c. per 8 oz.; 24 oz., \$1.00; \$4.00 per gal.

**Scalecide.** Used for the destruction of the San Jose Scale. Dilute at the rate of one gallon Scalecide to 20 gallons water. Scalecide does not clog nozzles, hose or pump, and is pleasant to use. Spray during the winter or early spring when the trees are dormant. Per qt., 60c.; \$1.45 per gal.; 5 gals., \$6.45; \$11.00 per 10 gals.; 30 gals., \$27.00; \$39.50 per 50 gals.

**Scale Destroyer (Solyte Oil).** For San Jose Scale; 1 gal. dilutes to 20 gals. water. Per qt., 65c.; \$1.00 per  $\frac{1}{2}$  gal.; gal., \$1.60; \$7.00 per 5 gals.

**Shoo Fly.** For keeping flies off cattle and horses; used with a spray or a sponge; the cattle and horses are either sprayed or rubbed with the preparation in the morning before being put in the field or out to their day's work. Per qt., 50c.; \$1.35 per gal.

**Slug Shot.** The standard remedy for currant worms, rose slugs, cabbage worms, and almost any soft-shelled insects that infest the vegetable or flower garden. Per 1-lb. canister, 18c.; 60c. per 5 lbs.; 10 lbs., \$1.15; \$2.75 per 25 lbs.; 100 lbs., \$10.50; full barrel lots (about 250 lbs.), 9½c. per lb.

**Soap Spray.** An all around outdoor and greenhouse insecticide. Per pt., 65c.; \$1.00 per qt.; gal., \$3.00; \$12.00 per 5 gals.; 10 gals., \$22.50.

**Sodium Cyanide.** (See Cyanegg.)

**Sulco V. B.** Will control San Jose and other scale insects, and many species of plant lice and fungus diseases. Pt., 35c.; 60c. per qt.;  $\frac{1}{2}$  gal., \$1.10; \$2.00 per gal.; 5 gal., \$7.00.

**Sulphate of Copper.** For destroying fungus diseases of all kinds; also used in making Bordeaux mixture, and for spraying potato vines in connection with Paris Green. Where used as a Bordeaux mixture it requires four pounds sulphate of copper to 6 pounds lime, which is diluted in 50 gallons of water. Per lb., 15c.; 65c. per 5 lbs.; 10 lbs., \$1.20; \$2.75 per 25 lbs.; 100 lbs., \$10.00.

**Sulphur.** Used principally in greenhouses for checking mildew. It is also used as a preventive and cure for San Jose Scale, when it is used in connection with lime and salt. Per lb., 10c.; 45c. per 5 lbs.; 10 lbs., 85c.; \$2.00 per 25 lbs.; 100 lbs., \$7.50.

**Sulphur Candles.** For fumigating in sick-rooms, also in conservatories and greenhouses. Large, 30c. each; per doz., \$3.00; small, 20c. each; per doz., \$2.00.

**Thrip Juice (Hammond's No. 2).** This preparation is very effective against *aphis*, red spider, mealy bugs and sucking insects generally. Per pt., 85c.; \$1.40 per qt.; gal., \$4.25.

**Tobacco Dust (for dusting only).** Excellent for lettuce and other plants to destroy soft, creeping insects. Per lb., 10c.; 40c. per 5 lbs.; 10 lbs., 60c.; \$1.35 per 25 lbs.; 50 lbs., \$2.50; \$4.75 per 100 lbs.

**Tobacco Dust (special dusting or fumigating).** A specially prepared article. Per lb., 10c.; 45c. per 5 lbs.; 10 lbs., 85c.; \$1.75 per 25 lbs.; 50 lbs., \$3.25; \$6.00 per 100 lbs.

**Tobacco Soap (Sulpho).** A combination of tobacco extract and sulphur; fine for washing and spraying plants; dissolve in warm water. Per 3 oz., 15c.; 25c. per 6 oz.; 10 lbs., \$3.50.

**Tobacco Stems (Fresh).** Used principally for fumigating and under benches in greenhouse. They may also be steeped in hot water and used as a spray. Per lb., 15c.; 60c. per 5 lbs.; bushel, \$1.00; \$1.75 per bbl. sack; large bales at 2½c. per lb.;  $\frac{1}{2}$  ton \$17.00; \$32.00 per ton.

**Tobacco Stems (Shredded).** For mulching flower beds, top dressing lawns, etc.; acts as a fertilizer as well as an insecticide. Per 5 lbs., 25c.; 45c. per 10 lbs.; 25 lbs., \$1.00; \$1.75 per 50 lbs.; 100 lbs., \$3.00; \$13.00 per 500 lbs.; 1000 lbs., \$25.50; \$50.00 per ton.

**Tree Tanglefoot.** A paste preparation for painting around the trunks of trees, in the form of a band. Caterpillars and other crawling pests cannot get over it. Per lb., 50c.; \$2.40 per 5 lbs.; 10 lbs., \$4.50; \$8.75 per 20 lbs.; 25 lbs., \$9.25.

**Wilson's O. K. Plant Spray.** A powerful yet harmless and efficient insecticide for *aphis*, red spider, mildew, scale, etc., for inside and outside spraying. Per gal., \$3.25.

**Worm Killer (Michell's) (for earth worms).** This is a powder and is distributed over a given surface and soaked with water, which causes the worms to come to the surface, where they may be scooped up readily and further destroyed. It acts as a fertilizer as well as worm destroyer. Per 112 lb. bag, \$7.50; \$35.00 per 560 lbs.; 1120 lbs., \$65.00; \$120.00 per 2240 lbs.

**Worm Eradicitor (Reade's Electric).** This has been found to effectually destroy worms in greenhouse benches and in potted plants, or for outdoor use in the flower and vegetable garden, or among trees. \$1.00 per 24 oz.; gal., \$4.00.

**Zenoleum.** A germicide and disinfectant. Endorsed by forty-four State Experiment Stations and Agricultural Colleges, and the leading live stock men of America. Zenoleum is a concentrated solution of coal tar. It mixes with hot or cold water. It will penetrate deeper and more rapidly than any other disinfectant. Per  $\frac{1}{2}$  pt., 35c.; 75c. per qt.;  $\frac{1}{2}$  gal., \$1.25; \$2.00 per gal.; 5 gal. can, \$9.50.

**Lamps for Vaporizing Nicotine Solutions.** 85c. each.

# MICHELL'S HIGH GRADE FERTILIZERS

PLEASE NOTE.—No smaller quantity of Fertilizer than here offered can be supplied.



All prices on Fertilizers subject to market changes.

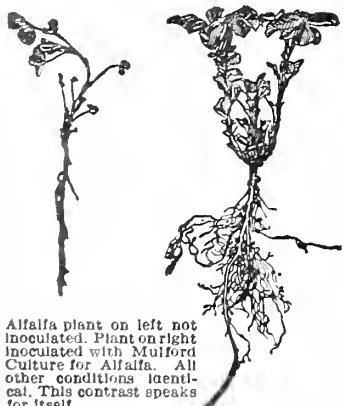
**Acid or Rock Phosphate (16%).** Apply 1000 lbs. per acre. Used for mixing with other fertilizers to increase the phosphoric acid analysis. In 200 lb. sacks only. \$3.25 per 200 lbs.;  $\frac{1}{2}$  ton, \$13.50; \$23.00 per ton.

**Alphano Inoculant.** A soil bacteria used in growing legumes, thereby increasing the crop and enriching the soil. It comes in a finely powdered form, making it easy to use. 1-acre size (2 lbs.), \$1.00; per 10-acre size (20 lbs.), \$8.00.

**Anti-Clover Fertilizer (Michell's).** The use of this on golf courses and putting greens is highly recommended as it prevents the growth of white clover which is very unessential on golf courses. Analysis: Ammonia, 8%; phosphoric acid, 2%; potash, 1%; 200 lb. bags only. \$8.00 per 200 lbs.; 1000 lbs., \$37.00; \$72.00 per ton.

**Ashes, Hard Wood.** Apply 1000 lbs. per acre. Indispensable for all crops requiring potash; excellent for mixing with potting soil. For top dressing lawns and grass fields it is applied to best advantage either in very early spring or late fall. Per 25 lbs., 85c.; \$1.50 per 50 lbs.; 100 lbs., \$2.50; \$4.25 per 200-lb. bbl.; 1000 lbs., \$18.00; per ton, \$35.00.

**Asparagus Fertilizer.** A mixture that promotes the root and top growth. Apply 800 lbs. per acre. 25 lbs., \$1.00; \$1.75 per 50 lbs.; 100 lbs., \$3.00; \$5.25 per 200 lbs.; 1000 lbs., \$24.00; ton, \$42.50.



Alfalfa plant on left not inoculated. Plant on right inoculated with Mulford Culture for Alfalfa. All other conditions identical. This contrast speaks for itself.

you desire to use it. 35c. per trial bottle;  $\frac{1}{4}$  acre size, 75c.; \$1.50 per acre size; 5 acre size, \$5.00.

**Blood (Dried).** For indoor culture of flowering plants, like roses, carnations, etc., its chief element being nitrogen. One of the quickest acting fertilizers. 5 lbs., 60c.; \$1.00 per 10 lbs.; 25 lbs., \$2.00; \$3.50 per 50 lbs.; 100 lbs., \$6.75; \$13.00 per 200 lbs.

**Blood Flour.** Very finely bolted. 5 lbs., 65c.; \$1.10 per 10 lbs.; 25 lbs., \$2.25; \$4.00 per 50 lbs.; 100 lbs., \$7.25; \$14.00 per 200 lbs.

**Bon Arbor.** A concentrated chemical fertilizer to be used in liquid or powder form, according to directions on package. Dilute 1 lb. to 30 gals. water. 60c. per lb.; 5 lbs., \$2.75.

**Bone (Coarse Ground).** Apply 800 to 1000 lbs. per acre. Prepared from raw bone, exactly like bone meal, except that it is not so fine or quick in action; it is used for the same purpose. 200 lb. bags only. \$8.50 per 200 lbs.; 1000 lbs., \$37.50; \$70.00 per ton.

**Bone Flour.** Finely pulverized and bolted. Effective immediately. For rose growing this cannot be excelled. Rich in phosphoric acid and ammonia. Apply 600 lbs. per acre. 5 lbs., 50c.; 85c. per 10 lbs.; 25 lbs., \$1.50; \$2.75 per 50 lbs.; 100 lbs., \$5.00; \$8.50 per 200 lbs.; 1000 lbs., \$37.50; \$70.00 per ton.

**Bone Meal (Michell's Special Grade).** Unusually rich in nitrogen and phosphoric acid, the two principal plant foods. We recommend this especially for lawns, gardens and greenhouses, or any purpose where a high-class fertilizer counts. Apply 800 to 1000 lbs. per acre. 3 lbs., 25c.; 35c. for 5 lbs.; 10 lbs., 60c.; \$1.40 for 25 lbs.; 50 lbs., \$2.50; \$4.50 per 100 lbs.; 200 lbs., \$8.00; \$35.00 per  $\frac{1}{2}$  ton; ton, \$65.00.

**Carnation Food (Springfield).** An evenly balanced food which invigorates the root action of the plants and produces a natural growth; hence the stem and calyx are strengthened in all seasons, the lasting quality of the flowers lengthened and the color intensified. Per 100 lbs., \$6.00.

**Chrysanthemum Manure (Thomson's Special).** Especially recommended and used by the leading private gardeners of England and America. Very highly concentrated. Per 28-lb. sack, \$4.00; \$7.00 per 56-lb. sack.

**Clay's Fertilizer.** An English chemical fertilizer, for forcing greenhouse plants and vegetables. It can be used in either dry or liquid form. 28 lbs., \$3.75; \$6.25 per 56 lbs.; 112 lbs., \$12.00.

**Cotton Seed Meal.** Apply 800 lbs. per acre. Exceedingly rich in potash and ammonia, making it excellent for use as a grass and grain fertilizer; for putting greens it is invaluable. 5 lbs., 35c.; 60c. for 10 lbs.; 25 lbs., \$1.25; \$2.25 for 50 lbs.; 100 lbs., \$4.25; \$7.75 per 200 lbs.; 1000 lbs., \$36.00; \$70.00 per ton.

**Cow or Cattle Manure (Shredded).** One sack of this is equal to one cartload of cow manure in regular form. Convenient to handle, making it possible for everyone to get this usually scarce article at all times. Especially suited for soil mixing, mulching and liquid manuring. Apply 1000 lbs. per acre. \$3.50 per 100 lbs.; 500 lbs., \$16.25; \$30.00 per 1000 lbs.; ton, \$55.00.

**Cow or Cattle Manure (Pulverized).** Thoroughly sterilized and weedless. Quick in action and especially desirable for pot plants, etc. \$3.50 per 100 lbs.; 500 lbs., \$16.25; \$30.00 per 1000 lbs.; ton, \$55.00.

**Grass and Grain Fertilizer (Michell's).** A splendid mixture for top dressing wheat, rye, timothy and grass fields. Apply 800 to 1000 lbs. per acre. 200 lbs. for \$5.00; \$23.00 per 1000 lbs.; per ton, \$42.50.

PLEASE NOTE.—No smaller quantity of Fertilizer than here offered can be supplied.

All prices on Fertilizers subject to market changes.

**Grass Grower** (*Michell's Odorless*). This is a complete balanced fertilizer for lawns, grass plots, fairways and putting greens. It is complete in every way and will produce wonderful results. Analysis, Ammonia, 7%; phosphoric acid, 8%; potash, 1%. In convenient friction top cans 10 lbs. net, handy to have about for top dressing, \$1.00 each; 200 lb. bags, \$7.50; \$37.00 per 1000 lbs.; per ton, \$72.00.

**Hog Manure** (*Pulverized*). Put up and sold in 100-lb. bags only; splendid for forcing vegetables and flowering plants, increasing size and yield. Per 100 lbs., \$3.75; \$16.50 for 500 lbs.

**Horn Shavings**. Used principally for mixing in potting soil; is rich in ammonia; especially valuable in chrysanthemum growing. 5 lbs., 65c.; \$1.10 for 10 lbs.; 25 lbs., \$2.00; \$3.75 for 50 lbs.; 100 lbs., \$7.00.

**Humus** (*Alphano Prepared*). An excellent article to incorporate with poor soil in the garden, greenhouse or in potting plants. When used in garden work, the ground should be covered with  $\frac{1}{2}$  to 2 inches of Humus and spaded in. Price, f. o. b. Philadelphia, 5 lbs., 35c.; 60c. for 10 lbs.; 25 lbs. for 90c.; \$2.75 per 100 lbs.; 500 lbs., \$12.00; \$18.00 per 1000 lbs.; 2000 lbs., \$32.50. F. o. b. Alphano, N. J., per ton in bags less carload lots, \$20.00 per ton; per ton in bags in carload lots (20 tons), \$16.00 per ton; per ton in bulk in carload lots about 30 tons, \$10.00 per ton.

**Humus (Natural)**. Not a prepared or chemical fertilizer but pure vegetable Humus, that has been decayed. Excellent for top dressing lawns; especially adapted to golf course construction and compost for golf greens; also valuable for the garden and for pot plants. Price, in car lots only, \$6.00 per ton, f. o. b. Alphano, N. J.

**Kainit** (*Potash Salts*). Apply 800 to 1000 lbs. per acre. Excellent for potatoes, corn and other grains; also for top dressing asparagus beds, etc. 5 lbs., 30c.; 50c. per 10 lbs.; 25 lbs., 90c.; \$1.50 per 100 lbs.; 200 lbs., \$2.75; \$12.00 per 1000 lbs.; ton, \$22.00.

**Land Plaster**. Used for top dressing newly plowed land prior to harrowing and for sweetening the soil on lawns and fields; also used for mixing with Paris Green. Apply 1500 to 2000 lbs. per acre. 40c. for 10 lbs.; 25 lbs., 85c.; \$1.25 for 50 lbs.; 100 lbs., \$2.00; \$3.75 for 200 lbs.;  $\frac{1}{2}$  ton, \$16.00; \$30.00 per ton.

**Lawnweed Sand** (*Michell's*). A weed destroyer as well as a fertilizer; contains a large percentage of nitrogen. Will be found very valuable for lawn use. For best results follow the directions on the package.  $3\frac{1}{2}$  lb. tin, 75c.; \$1.35 for 7 lbs.; 14 lbs., \$2.50; \$4.00 per 28 lbs.; 56 lbs., \$6.50; \$12.50 per 112 lbs.

**Lime** (*Hydrated or Powdered*). This is a very fine article for distributing on grass. Promotes growth, gives the grass a rich color and has a tendency to prevent the growth of weeds. Apply one ton per acre. 45c. per 10 lb. box; 125 lb. sack, \$2.25; \$8.00 per 500 lbs.; 1000 lbs., \$14.00; \$27.00 per ton.

**Limestone** (*Pulverized*). For applying on sour or wornout soils at the rate of 1 ton per acre. Put up in 100-lb. bags. \$1.50 per 100 lbs.; 500 lbs., \$6.00; \$10.00 per 1000 lbs.; ton, \$17.50.

**Manure** (*Fresh Horse, Stockyard and Cow*). At short notice we can usually supply first-class horse, cow and stockyard manure in carload lots only. Prices on request.

**Muriate of Potash**. Apply 100 to 150 lbs. per acre, usually with other fertilizers. Excellent for potatoes, corn, grains, etc. Analysis, equal to 50 per cent. actual potash. 5 lbs., 45c.; 80c. per 10 lbs.; 25 lbs., \$1.50; \$2.50 for 50 lbs.; 100 lbs., \$4.75; \$8.00 for 200 lbs.; 1000 lbs., \$37.00; \$70.00 per ton.

**Nitrate of Soda**. Apply 100 to 150 lbs. per acre, mixing with land plaster or other fertilizers to render application more easy. Use only after plants are above ground. If used in liquid form dilute 2 ozs. to 1 gal. of water and do not apply oftener than twice a week. 5 lbs., 45c.; 85c. per 10 lbs.; 25 lbs., \$1.50; \$2.75 per 50 lbs.; 100 lbs., \$4.75; \$9.50 per 200 lbs.; 1000 lbs., \$45.00; \$80.00 per ton.

**Phosphate** (*Michell's High Grade*). For all vegetable crops, grains, grass, etc. Apply 800 to 1000 lbs. per acre broadcast. 5 lbs., 30c.; 55c. per 10 lbs.; 25 lbs., \$1.25; \$1.75 per 50 lbs.; 100 lbs., \$3.00; \$5.50 per 200 lbs.;  $\frac{1}{2}$  ton, \$25.00; \$42.50 per ton.

**Phosphate for Corn** (*Michell's*). Apply 800 lbs. per acre. This contains the necessary ingredients to produce a bumper crop of either field or sugar corn. \$5.00 for 200 lbs.; per  $\frac{1}{2}$  ton, \$21.00; \$38.00 per ton.

**Plant Food** (*Michell's*). A highly concentrated chemical fertilizer for house, garden or conservatory. Clean, odorless and producing early and abundant blossoms of rich and brilliant color, and healthy, luxuriant plants. Analysis: Nitrogen,  $2\frac{1}{2}\%$ ; available phosphoric acid, 7%; potash, 2%. Per 5 oz. pkg., 20c.; 30c. per 12 oz. pkg. Allow for postage if wanted by mail.

**Plant Life** (*Zenke's*). A liquid plant food, tonic and fertilizer. It contains in concentrated form the elements of plant food in proper proportion for absorption by the plant. Per 8 oz., 25c.; \$3.25 per gal.

**Potato Fertilizer** (*Michell's*). Apply at the rate of from 800 to 1000 lbs. per acre. The principal fertilizer for potatoes in this section, being especially compounded for this purpose. 25 lbs., \$1.25; \$2.00 per 50 lbs.; per 100 lbs., \$3.00; \$5.50 per 200 lbs.; per  $\frac{1}{2}$  ton, \$25.00; \$45.00 per ton.

**Poudrette** (*Native Guano*). For top dressing lawns, vegetable and flower gardens. 5 lbs., 30c.; 55c. per 10 lbs.; 25 lbs., \$1.00; \$1.50 per 50 lbs.; 100 lbs., \$2.25; \$4.25 per 200 lbs.; 1000 lbs., \$20.00; \$37.50 per ton.

**Poultry Manure** (*Pulverized*). A splendid fertilizer rich in ammonia and nitrogen, very quick in action, but should be used cautiously; in 100-lb. bags only, \$3.50.

**Salt**. For asparagus beds and putting on walks and roads to kill weeds. Apply 800 lbs. per acre in early spring. 25 lbs. for 75c.; \$1.25 for 50 lbs.; \$2.00 per 100 lbs.; 200 lbs., \$3.25; \$13.00 per 1000 lbs.; ton, \$25.00.

**Sheep Manure** (*Wizard Brand*). Apply 1000 lbs. per acre. One of the most extensively used of animal manures. The analysis shows it to be a perfectly balanced plant food. For garden, lawn or greenhouse use, nothing surpasses sheep manure; it is clean and easily handled, besides giving immediate results. 2 lbs., 25c.; 40c. per 5 lbs.; 10 lbs., 65c.; \$1.25 per 25 lbs.; 50 lbs., \$2.00; \$3.50 per 100 lbs.; 500 lbs., \$16.50; \$30.00 per 1000 lbs.; per ton, \$55.00.

**Soot** (*Imported Scotch*). This is used principally for bringing a good healthy color into the foliage of chrysanthemum and other greenhouse plants. Also destroys insects and grubs that work on top of and underneath the surface. 5 lbs., 75c.; \$1.25 per 10 lbs.; 25 lbs., \$2.00; \$7.50 per 112 lbs.

**Stim-U-Plant**. A plant food in tablet form; contains highly concentrated, immediately available forms of plant food for use in stimulating all fruit, flower, vegetable and ornamental plants, and may be used in tablet or in liquid form. Per pkg. of 30 tablets, 25c.; 75c. per pkg. of 100 tablets; 1000 tablets, \$3.50.

**Sulphate of Ammonia**. Apply 75 to 100 lbs. per acre only with other fertilizers deficient in nitrogen. A valuable fertilizer for all plants in which a large leaf development or rapid growth is desired; will stimulate growth almost immediately. Analysis equal to 25% of ammonia. 5 lbs., 60c.; \$1.00 per 10 lbs.; 25 lbs., \$2.00; \$3.50 per 50 lbs.; 100 lbs., \$6.25; \$12.00 per 200 lbs.

**Sulphate of Potash**. Apply 100 to 125 lbs. per acre, usually with other fertilizers. On account of its great strength it must be used judiciously. Valuable for root and grain crops. Analysis equal to 50% of actual potash. 5 lbs., 40c.; 70c. per 10 lbs.; 25 lbs., \$1.50; \$2.75 per 50 lbs.; 100 lbs., \$4.50; \$8.75 per 200 lbs.

**Tankage**. This is usually applied to plants such as roses, etc., under glass. It is similar to dried blood. 5 lbs., 35c.; 60c. per 10 lbs.; 25 lbs., \$1.25; \$2.00 per 50 lbs.; 100 lbs., \$3.75; \$6.75 per 200 lbs.

**Thomson's Special Flower, Vegetable and Vine Manure**. Imported from England, this excellent chemical fertilizer is a reliable food and stimulant for every fruit-bearing plant, also foliage and flowering plants and vegetables of all descriptions. So compounded as to combine stimulating with lasting effects. 28 lb. bags, \$3.00; \$5.75 per 56 lbs.; 112 lbs., \$9.50.

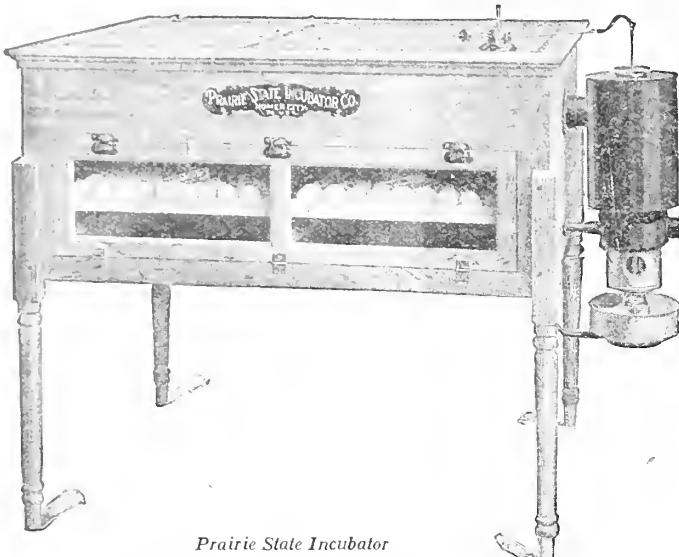
**Tobacco Stems**. For fumigating, mulching and fertilizing, these are invaluable. The chief fertilizing element in them is the potash. 60c. for 5 lbs.; per bu., \$1.00; \$1.75 per bbl. sack; in large bales at  $2\frac{1}{2}$ c. per lb.; per  $\frac{1}{2}$  ton, \$17.00; \$32.00 per ton.

**Tobacco Stems (Shredded)**. For mulching flower beds, plant benches, top dressing, lawns, etc.; acts as an insecticide as well as a fertilizer. 5 lbs., 25c.; 45c. per 10 lbs.; 25 lbs., \$1.00; \$1.75 per 50 lbs.; 100 lbs., \$3.00; \$13.00 per 500 lbs.; 1000 lbs., \$25.50; \$50.00 per ton.

**Wheat Fertilizer**. For grass and grain crops. Apply 800 lbs. per acre. \$5.00 per 200 lbs.;  $\frac{1}{2}$  ton, \$22.50; \$42.50 per ton.

**Wood Ashes**. See ashes at top of opposite page.

# MICHELL'S POULTRY SUPPLIES, ETC.



Prairie State Incubator

## PRAIRIE STATE INCUBATORS

In the building, design and construction of the Prairie State Incubator every known factor to the present time has been taken into consideration. All Prairie State Incubators are equipped with nurseries.

There are many improvements in the Prairie State Incubator that a study of the Prairie State Catalog and a close inspection of the machine itself, if possible, will best reveal.

Every heater is made with extreme care to insure it being as near perfect and fireproof as it can possibly be, which fact, in combination with the construction of the incubator, makes the machine reasonably safe to operate in most any locality.

The Prairie State has the diffusive air circulation system and sand tray moisture feature, and is as faultless as it is possible to make incubators.

	Oil Consumption per 24 hrs.	Hen Egg Capacity.	Duck Egg Capacity.	Price
No. 0. Diffusive style.	$\frac{3}{4}$ pt.	100	75	\$30.00
No. 1. " " 1 pt.	150	100	37.50	
No. 2. " " 1 $\frac{1}{2}$ pts.	240	200	52.50	
No. 3. " " 1 $\frac{3}{4}$ pts.	390	300	67.50	

Complete Catalog of Prairie State Incubators and Brooders free on request.

## PRAIRIE STATE JR. COAL STOVE BROODER No. 1



Prairie State Jr. Coal Stove Brooder

The stove is solid cast iron, resting directly on its base without legs, there being no hot place under the stove possible for the chicks to reach. Designed for hard coal, but will burn soft coal also. The canopy is flat, and fitted with an 18-inch hover curtain, wired fast at the edges. Is of galvanized sheet steel, hinged in center, giving ready access to stove when coaling. Regulator is powerful, sensitive, triple control, of wafer type, regulating temperature to a fraction of a degree, with all working parts under canopy and so protected. This size handles flocks of 250 to

1000 or more safely and is adaptable to permanent or portable brood houses. Price, complete with equipment, \$25.00.

## PRAIRIE STATE JR. No. 0 COAL STOVE BROODER

The construction of this is similar to the Junior Coal Stove Brooder No. 1, excepting that it has a new design double control regulator instead of the triple control type. Capacity, 200 to 700 chicks. Price, \$20.00.

## PEEPY GEM HOT WATER INCUBATOR

This is especially designed for the amateur or beginner. It is a wonderful value for the price charged. Very carefully made. Equipped with galvanized water heater and a sensitive thermostat. We can supply this in one size only, 50-egg capacity. Price, \$10.00.

## PRAIRIE STATE COLONY HOUSE

The Colony Brooder, with its dry, roomy quarters, level floors, overhead heat, graduated temperature, thorough ventilation and sun parlor for exercise, offers a happy solution to chick raising.

When the soil becomes worn out or if the location has become infected with disease or vermin, the removal of a portable colony brooder is an easy matter, and the birds can be given new quarters on fresh soil and amid new surroundings.

To transform the Combination Brooder into a Colony House, slip out the middle partition, remove the hover and lamp, and you have one of the neatest colony houses that could be built.

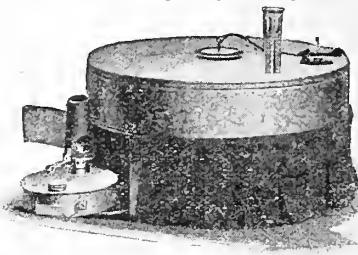
3 feet wide, 6 feet long, 3 feet high in front, 2 feet high in back (without heat regulator) ..... \$35.00

Heat Regulator, for the above \$2.00, if bought with Colony House.

## PRAIRIE STATE JR. PORTABLE HOVER

Combines all the essentials of the larger brooders in a style and size suited to the small producer or the fancier who wishes to raise small lots separately. While its size and capacity are equal to any other lamp brooder, yet it

is light in weight and may be instantly moved from place to place. Heat is furnished by the Standard Prairie State Lamp set in the center of the hover, the warm, fresh air being diffused by the radiator under the galvanized steel hover top, down upon the chicks. Heat is controlled by the accurate regulator, and ventilation is assured by a perfect system of air flues. Curtain is of cotton duck; top of hover is insulated with mineral wool. Provides ample nursery space for 50 chicks. Price, \$10.00.

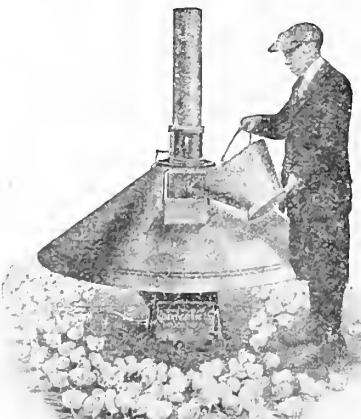


## PRAIRIE STATE UNIVERSAL HOVER

As the name of this hover implies, it has a wide or universal sphere of usefulness. In fact, there is practically no limit to its adaptability. It may be used or attached to any form of outdoor brooder that is two feet or more in height; to any size or form of colony house, mushroom house, small portable building, dry-goods box, shed, coop, organ or piano box.

Where regular colony houses are used the Universal Hover can be attached to it until the chicks have been given a good start, and then removed to another for a new brood. It has proven to be thoroughly practical in actual service, giving perfect satisfaction during the coldest winter weather, changeable conditions of spring and the heat of summer.

Complete for outdoor use, with Lamp Case ..... \$9.00  
Complete for outdoor use, with Regulator ..... 10.50  
Complete for indoor use, no Lamp Case ..... 8.00  
Complete for indoor use, with Regulator ..... 9.50



## MARVEL Coal Burning Colony Brooder

Adapted for the expert or novice. The heater is built of heavy iron castings and is 27 in. high, has super-automatic check control. Hover is made of heavy gauge galvanized iron.

No. 10, with 41 in. Hover, \$20.00.  
No. 20, with 52 in. Hover, \$25.00.  
No. 30, with 60 in. Hover, \$30.00.

# MICHELL'S POULTRY SUPPLIES, ETC.

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## NORWICH AUTOMATIC POULTRY FEEDER

In operating the Norwich Automatic Exerciser and Feeder, it is but necessary to fill the hopper with such grain as may be desired, straight or mixed, filling the feed bar with either cracked corn or wheat, and adjust the valve at the bottom of the hopper to feed in such quantities as desired. Set the machine anywhere in the yard, pen or house, give the feed bar a turn or two, and, surprising as it may seem, in ten to fifteen minutes every hen in the flock will take in the situation and work it.

Another valuable feature is that the hopper, being rainproof, keeps the feed dry and fresh. The hopper is also dust proof, and not a particle of dust can get on the feed.

No. 1.—8-quart hopper. Weight, 15 lbs., \$5.00.

No. 2.—14-quart hopper. Weight, 18 lbs., \$5.50.

No. 3.—20-quart hopper. Weight, 22 lbs., \$6.50.

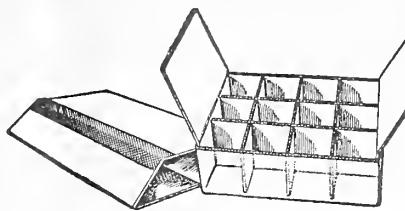
No. 4.—32-quart hopper. Weight, 25 lbs., \$7.50.



Norwich Automatic Feeder

So constructed that each egg is separated by a thickness of corrugated board and the contents are surrounded by a double wall of air-cushioned board. Absolute protection is assured; possesses strength and durability to stand rough handling in transit.

## PARCEL POST EGG BOXES



Capacity	Each	Doz.	Capacity	Each	Doz.
1 doz. ....	\$0.15	\$1.50	4 doz. ....	\$0.35	\$3.50
2 doz. ....	.25	2.25	5 doz. ....	.40	4.25
3 doz. ....	.30	3.00	6 doz. ....	.45	4.50

## SALT BRICKS

For dairy cows, horses and other animals. This is an essential to general good health in stables among horses and cattle; fastened on the wall it is accessible at all times and remains clean. Per brick, 25c. (By Mail, 40c.) \$2.75 per doz.

**Salt Brick Holders**, 50c. each. (By Mail, 60c.). Doz., \$5.00.



## MICHELL'S POULTRY REMEDIES, LICE DESTROYERS, DISINFECTANTS, ETC.

**Carbola.** An improvement on whitewash, combining the features of a cold water paint and disinfectant; not a lime product. 30c. per 2 lbs.; 10 lbs., \$1.25; \$5.00 for 50 lbs.

**Carboletta.** A carbolic solution for painting roosts, spraying, etc. 40c. per qt.;  $\frac{1}{2}$  gal., 65c.; \$1.00 per gal.

**Carbolineum.** A poultry house disinfectant, louse and mite destroyer; excellent wood preservative; in gallon cans only. \$1.50 per gal.; 5 gals. for \$7.00.

**Chemo.** A liquid lice killer that will not discolor the plumage of white poultry. Per gal., \$2.00.

**Condition Tablets (Pratt's).** 25c. and 50c. per pkg.

**Conkey's Canker Special.** A wonderful and effective remedy. 50c. per pkg.

**Conkey's Cholera Cure.** 25c. and 50c. per pkg.

**Conkey's Chicken Pox Remedy.** 25c. and 50c. per pkg.

**Conkey's Gape Cure.** For young chicks. 50c. per pkg.

**Conkey's Lice Fix.** For destroying mites, lice, etc. 50c. per pkg.

**Conkey's Lice Killer (Liquid).** For painting roosts, poultry houses, spraying nests and general vermin cleaning, etc. Qt., 60c.; 90c. per  $\frac{1}{2}$  gal.; 1 gal., \$1.50.

**Conkey's Lice Powder.** A sure destroyer. 25c., 50c. and \$1.40 per pkg.

**Conkey's Noxi-cide.** A germ destroyer, which will keep the poultry house in a pure, sanitary condition, destroy all germs and drive out the lice and mites. 45c. per pt.; qt., 70c.; \$1.15 for 2 qts.; gal., \$1.80.

**Conkey's Roup Cure.** A widely used roup remedy; administered in the drinking water. 25c., 50c. and \$1.00 per box.

**Conkey's Scaly Leg Remedy.** A sure cure. 25c. per pkg.

**Conkey's White Diarrhoea Cure.** For little chicks; results always satisfactory. 25c. and 50c. per package.

**Death to Lice (Lambert's).** For dusting fowls and nests. The most effective chicken lice exterminator in existence. 5-oz. size, 10c.; 25c. for 15 ozs.; 48 ozs., 50c.; \$1.00 per 100-oz. pkg.

**Death to Lice Ointment.** A salve or ointment used on the heads of newly-hatched chicks. It drives away lice instantly. Easily applied; no mess; no trouble. 10c. and 25c. per box.

**Gape Worm Extractors.** Two styles: Hallowell, made of German silver and horse hair, 10c. each. Pilling, made entirely of German silver, 25c. each.

**Germozone (Lee's).** The standard remedy for the prevention and cure of most every ill that affects poultry, such as roup, cholera, bowel complaint, diarrhoea, sore head, gapes, etc.

Germozone's greatest value is in preventing sickness. In tablet form, 75c.

**Lice Expelling Nest Eggs.** These are made of naphthaline and are an ideal substitute for the natural egg, which they closely resemble. 6c. each; per doz., 65c.; \$4.50 per 100.

**Licene.** Kills chicken lice as if by magic. Put up in tubes; conveniently handled; easily applied. 60c. per tube.

**Oculum.** For cholera, roup and diarrhoea. Used on chicks and grown fowls with equal success. 50c. and \$1.00 per bottle.

**Persian Insect Powder.** This is probably the oldest lice expelling powder in existence.  $\frac{1}{4}$  lb., 35c.; 60c. per  $\frac{1}{2}$  lb.; lb., \$1.10.

**Pratt's Disinfectant.** For spraying poultry houses, stables, etc. It gets rid of lice and mites and keeps poultry houses clean and healthy. Pt., 35c.; 55c. per qt.;  $\frac{1}{2}$  gal., 90c.; \$1.50 per gal.; 5 gals., \$7.00.

**Pratt's Lice Powder.** For dusting nests, fowls, chicks, etc.; quickly kills the lice. 12c., 25c. and 50c. per box.

**Pratt's Roup Remedy (Pills).** For roup, canker, catarrh and diphtheria. 25c., 50c. and \$1.00 per box.

**Pratt's Sore Head Remedy.** A rapid cure for sore head or chicken pox. 30c. and 60c. per box.

**Pratt's White Diarrhoea Remedy.** For baby chicks; keep the germs of the disease from becoming active by using this remedy. 25c. and 50c. per box.

**Rat Corn.** Kills and mummifies rats and mice. 25c., 50c. and \$1.00 per box.

**Roup Syringe.** For administering liquid roup remedies in the nostrils or throat. Price, 15c. each.

**Spratt's Dog Soap.** Entirely free from poison; at the same time effective in the destruction of lice and fleas. 25c. per cake.

**Sulphur Candles.** Large size, 30c. each; per doz., \$3.00. Small size, 20c. each; per doz., \$2.00.

**Tobacco Dust.** For dusting on roosts, nests, etc., to keep away vermin. 10c. per lb.; 5 lbs. for 40c.; 60c. for 10 lbs.; 25 lbs., \$1.35; \$2.50 per 50 lbs.; 100 lbs., \$4.75.

**Tobacco Stems.** For making nests, etc. 15c. per lb.; 5 lbs., 60c.; \$1.00 per bushel; per bbl. bag, \$1.75; in large bales of about 250 lbs., at 2 $\frac{1}{2}$ c. lb.; per  $\frac{1}{2}$  ton, \$17.00; \$32.00 per ton.

**Whiting's Roupene.** A preventive and sure cure for roup, canker, diphtheria, chicken pox or sore head, gapes, colds and all diseases of the respiratory organs of fowls or pigeons. Will cure dogs of the snuffles. Price, 50c. and \$1.00 per bottle.

**Whiting's White Diarrhoea Remedy.** 50c. and \$1.00 per bottle.

**Zenoleum Lice Powder.** For dusting hens and nests; fine for brooding hens. 35c. per 16-oz. pkg.

**Zenoleum Liquid.** Dilute one part Zenoleum to one hundred parts water. It is non-poisonous and is not irritating or inflammable. Should be used freely around barns and poultry houses. Zenoleum is a concentrated solution of coal tar. 8 ozs., 35c.; 75c. per qt.;  $\frac{1}{2}$  gal., \$1.25; \$2.00 per gal.; 5-gal. can, \$9.50.

Prices of Poultry Food fluctuate constantly and will be quoted on application where prices are not mentioned.

For Bird Seeds and Supplies see Page 85.

**Alfalfa Hay.** Used as a scalded feed during the winter months.

**Alfalfa Meal.** Rich in protein and especially desirable for young birds. Splendid for feeding as a mash or for mixing.

**Animal Regulator (Pratt's).** For keeping farm animals in prime health and condition. 25c. and 50c. per pkg.

**Barley.** Principally fed for making feathers and bone.

**Bone (Coarse Ground).** For feeding grown fowls. For muscle making, producing eggs and as a digester.

**Bone (Fine Grade).** For feeding chicks and pullets and using in the mash.

**Bran (Wheat).** For mash, etc. An excellent egg maker and very nutritious. Can be fed alone or used in a mixture.

**Broken Rice.** For small chicks and for conditioning stock which has been allowed to become in a run down condition.

**Buckwheat.** Fed very largely as a change of diet. Especially good for winter feeding.

**Cake Meal.** For mixing in the mash. Splendid for use during the moulting season.

**Calf Meal (Blatchford's).** For weaning calves from cows and taking the place of milk. Fed in liquid form.

**Canada Peas.** Principally fed to pigeons, when it acts as a bowel regulator. Should not be fed continuously.

**Cat Food (Spratt's).** Saves the necessity of especially preparing food for tabby. Per large carton, 35c.

**Catnip Balls.** A plaything and tonic for pussy. 15c. each.

**Charcoal.** Two grades, fine and coarse. Disinfects the bowels and tones up the whole system. Usually fed from a hopper alone or used in dry or wet mash. Per lb., 8c.; 35c. per 5 lbs.; 10 lbs., 60c.; \$1.25 per 25 lbs.; 100 lbs., \$4.00.

**Chicgrain (Spratt's).** Can be used as the staple food from the very day the chick is hatched. Claimed to be the most scientifically balanced chick ration.

**Chick Food (Michell's).** Made from clean, wholesome grains, properly balanced and proportioned.

**Chick Food (Park and Pollard).**

**Chick Food (Pratt's).** For newly-hatched chicks.

**Chick Manna.** Comprises a variety of nutritious food and health preserving properties. Per lb., 15c.; 40c. per 3 lbs.; 5 lbs., 60c.; \$1.65 per 15 lbs.; 60 lbs., \$6.25; \$9.00 per 100 lbs.

**Chick Meal (Spratt's No. 5 and No. 3).** For show or prize stock: develops strong, husky specimens.

**Condition Powder (Sheridan's).** A natural stimulant and persuader for the hen.

**Condition Tablets (Pratt's).** For keeping poultry in prime health. 25c. and 50c. per pkg.

**Conkey's Laying Tonic.** To be mixed with the mash. 25c. pkg.

**Conkey's Starting Food for Baby Chicks.** Contains bone and muscle making properties in the highest degree. Can be used in dry or wet mash form.

**Corn Meal (Special Process).** Suitable for either mash or feeding little chicks. Carefully ground and sifted.

**Cracked Corn.** Carefully sifted; fine or coarse. All coarse and dirty particles removed.

**Cut Clover Hay.** Excellent for using in mashes, taking the place of green food.

**Developing Food (Michell's).** A mixture of grain that is fed from the time chicks are 3 weeks old till they are 3 months old. Desirable also as a scratching litter for young chicks.

**Dog Cakes (Spratt's).** Dog cakes are made so that they supply every requirement of the dog's need for sustenance. No cooking or mess.

**Dog Cakes (Spratt's Oblong).** Of a very convenient size and shape.

**Price Notice.** Where we have not quoted prices please ask for them, the many constant changes make it more practical to omit them.

**Fish, Dried Ground.** Splendid for egg production. Desirable to feed alone or in a mash.

**Gluten Meal.** For feeding to both poultry and cows.

**Grit.** Fine, medium and coarse. This is necessary and aids digestion in fowls of all kinds.

**Grit (Red Cross Health).** For pigeons. Contains a variety of materials including seeds of some aromatic herbs.

**Ground Oats.** This makes an excellent dry food when combined with other similar ration.

**Growing Food (Park and Pollard).** Feed when chicks are developing. Park and Pollard foods are regarded as the best of their respective kinds.

**Hemp Seed.** Fed largely to pigeons, also to poultry during winter months; should not be fed continuously.

**Hulled Oats.** A splendid food for young chicks, as a change of diet or after they have been hatched a few days.

**Kaffir Corn.** Makes a fine food for pigeons, also used for poultry; very good for feeding during winter months.

**Linseed Meal.** For feeding with the regular ration during the moulting period; splendid for conditioning birds in preparing to exhibit them.

**Mash Food, Laying (Michell's Buttermilk).** Rich in bone, muscle and feather making elements; makes chicks and fowls thrive.

**Mash Food (Park and Pollard). (Lay or bust.)** Reputed to be the best mash food on the market.

**Mash Food, Chick (with Dried Buttermilk).** A specially prepared mash to develop quick growth in young stock.

**Meat (Prepared).** Very rich in protein. If you want eggs in winter, poultry meat will get them for you, if placed before the fowls where they can eat it at will.

**Middlings.** An excellent change in combination of a mash.

**Millet (For Feeding).** Highly nutritious and used extensively for pigeons and young chickens.

**Oatmeal (Pin Head).** An excellent food for young chicks after they are a few days old and may be continued until they are several weeks old.

**Oyster Shells.** Fine and coarse. State which is wanted when ordering. Oyster shells contain shell making properties.

**Panacea (Poultry Tonic).** Made by Drs. Hess and Clark, who have a splendid reputation for making reputable poultry supplies. 1 1/2 lbs., 25c.; 75c. per 5 lbs.; 12 lbs., \$1.50; \$3.00 per 25 lbs.

**Pheasant Meal (Spratt's).** No. 12 Fine; No. 5 Coarse. State which is wanted when ordering. Especially combined to furnish the peculiar feed requirements of pheasants.

**Poultry Food (Spratt's No. 3).** A splendid egg producer.

**Poultry or Scratch Food (Michell's).** An evenly balanced grain ration for feeding growing and adult fowls.

**Poultry or Scratch Food (Park and Pollard).** A carefully prepared food.

**Pratt's Poultry Regulator.** A general conditioning tonic to be fed in the mash. Price, 8 oz. package, 12c.; 24-oz., 25c.; 50c. per 4 lbs.; 12-lb. bag, \$1.40; \$1.65 per 12-lb. pail; 25 lbs., \$3.00; \$10.00 per 100 lbs.

**Prepared Pigeon Food.** An excellent mixture of grain. Pigeons thrive better on specially prepared feed.

**Puppy Cakes (Spratt's).** A perfect and whole food for puppies of all breeds.

**Puppy Cakes (Spratt's Oval).** A small meat biscuit of superior quality.

**Salt Cat.** A tonic for pigeons. Combined with aromatic herb seeds. 25c. per brick; per doz., \$2.75.

**Sunflower Seed.** For poultry, parrots, etc. Per lb., 15c.; 70c. per 5 lbs.; 10 lbs., \$1.35; \$3.25 per bu. (25 lbs.).

**Vetches or Tares.** For pigeon feeding. Ask for quotations.

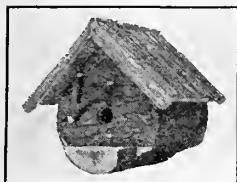
#### SPECIAL NOTE

We publish a complete Catalogue on Poultry Supplies which is free on application.

# MICHELL'S RUSTIC AND ORNAMENTAL BIRD HOUSES

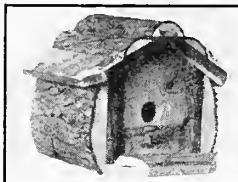
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Comparatively few of us recognize the great economic value of birds. Particularly the bluebirds, house wrens and martins are very easily domesticated. Their favorite nesting sites are bird houses made for their use which may be placed about in the garden and farm or in orchards. As rent, these grateful birds pay amply, destroying millions of insects annually. If you put up bird houses in the autumn or before the birds arrive in the spring you may be able to keep some birds with you all winter if you provide them with shelter and food.



No. 11. Wren House.  
Price, \$1.75. Wt., 3 lbs.  
No. 12. Wren House.

Similar to No. 14.  
Price, \$1.75. Wt., 3 lbs.



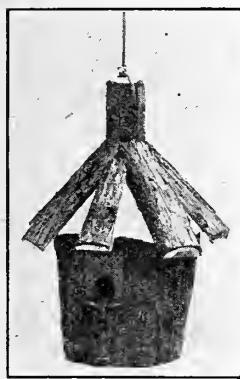
No. 13. Wren House.  
Price, \$1.75. Wt., 3 lbs.



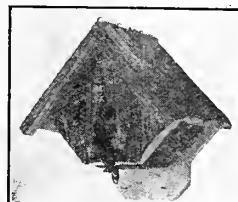
No. 61. Wren House.  
Swinging.  
Price, \$1.75. Wt., 3 lbs.



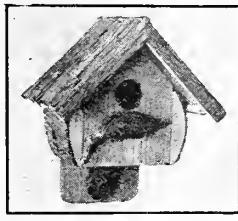
No. 28. The Wren "House Beautiful."  
Price, \$2.00. P. P. Weight, 4 lbs.  
No. 23. Wren House.  
P. P. Weight, 3 lbs. Price, \$1.75.



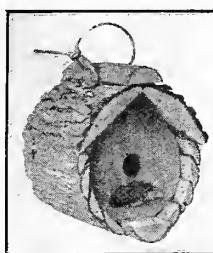
No. 14. Wren or Blue-  
bird House.  
Swinging.  
Price, \$1.75. Wt., 3 lbs.



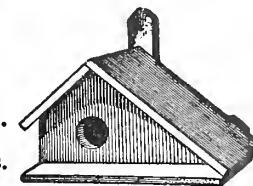
No. 17. Wren House.  
Price, \$1.50. Wt., 3 lbs.



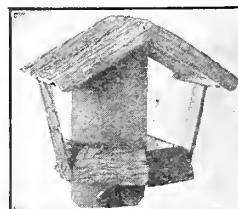
No. 62. Bluebird  
House.  
Price, \$1.75. Wt., 3 lbs.



No. 50. Wren House.  
Swinging.  
Price, \$1.50. Wt., 3 lbs.



Maryland Wren Box.  
Natural color, stained.  
50c. each. P. P. Wt.,  
1 lb.



No. 60. Robin House.  
Price, \$1.75. Wt., 3 lbs.



No. 8. 14 Room Martin House.  
Price, \$20.00. Not mailable.

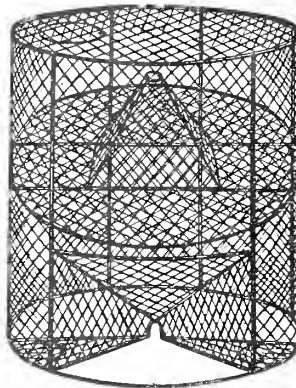


No. 78. 4 Room Mar-  
tin House.  
Price, \$5.00.

No. 25. For  
Woodpeckers,  
Chickadees,  
Nuthatches,  
etc.  
Price, \$1.75.  
Weight, 3 lbs.

## WIRE SPARROW TRAP

We have tried this out and found it to be the best trap made. Scatter a little cracked corn and set trap right over it. You'll be surprised at the catch. \$6.00 each.



## MICHELL'S RECLEANED BIRD SEEDS, PET SUPPLIES, ETC.

Our bird seeds are of the highest quality, fresh and recleaned. Your feathered pets will thrive if you get your supplies in this line from us.

	Lb.	5 lbs.	10 lbs.
Canary. Plain Sicily.	\$0.15	\$0.65	\$1.15
Canary, Mixed.	.15	.65	1.15
Hemp Seed.	.15	.70	1.30
Millet Seed (Improved).	.12	.55	1.00
Rape Seed.	.15	.70	1.30
Unhulled Rice.	.20	.75	1.35
Bird Manna. Keeps Canary Birds in prime condition.	Pkg., 15c.		
Cuttle Fish Bone.	5c. each; $\frac{1}{4}$ lb., 20c.; 60c. per lb.		
Fish Food. For aquariums.	15c. per pkg.		
Lettuce Seed.	5c. per oz.; $\frac{1}{4}$ lb., 10c.; 30c. per lb.		

Maw Seed.  $\frac{1}{4}$  lb., 10c.; 25c. per lb.; 5 lbs., \$1.10.

Parrot Food (Spratt's). 20c. per pkg., doz. pkgs., \$2.00.

Sand for Bird Cages. Fine, red or silver, 10c. per pkg.; doz. pkgs., \$1.00. Silver (coarse), 10c. per pkg.; doz. pkgs., \$1.00.

Song Restorer for Canaries, revives the desire to be lively and sing more lustily. Price, 15c. per bottle; per doz., \$1.50.

Prices on Bird Seeds Subject to Market Changes.

## SUNFLOWER SEED

We are very large handlers of this important food for parrots. Our customers may depend upon getting a very choice article. 15c. per lb.; 70c. per 5 lbs.; 10 lbs., \$1.35; \$3.25 for 25 lbs.

## MICHELL'S FLOWER POTS, TUBS, ETC.

Orchid Pan

Earthen Fern Pan

Fern Dish Liner

Seed Pan

Wood Fibre Flower Vase



Cedar Tub

Keystone Tub

Earthen Flower Pot

Azalea Pot

Earthen Bulb Pan

Earthenware Saucer

Wood Fibre Saucer

Rolling Stand

**CEDAR TUBS**

**Equipped with Strong Iron Handles**  
These are made by hand, of the very best white cedar, painted green, bound with black iron hoops.

	Inside Diam.	Depth	Each
No. 0	24 $\frac{3}{4}$ in.		\$11.15
No. 1	23 $\frac{3}{8}$ "		9.90
No. 2	21 $\frac{3}{4}$ "		8.85
No. 3	18 $\frac{11}{16}$ "		7.20
No. 4	16 $\frac{1}{2}$ "		5.85
No. 5	14 $\frac{7}{16}$ "		5.50
No. 6	12 $\frac{7}{16}$ "		4.20
No. 7	11 $\frac{9}{16}$ "		3.70
No. 8	10 $\frac{11}{16}$ "		3.20

**MICHELL'S KEYSTONE PLANT TUBS**

Made of white cedar, painted green and bound with strong electric welded wire hoops, which do not rust. Handles are sold separately at 30c. per pair, not attached to tub.

	Inside Diam.	Depth	Each
No. 1	6 in.	6 in.	\$0.70
No. 2	7 "	7 "	.75
No. 3	8 "	8 "	.80
No. 4	9 "	9 "	.85
No. 5	10 "	9 "	.95
No. 6	11 "	10 "	1.25
No. 7	12 "	11 "	1.50
No. 8	13 "	12 "	1.90
No. 9	14 "	13 "	2.20
No. 10	15 "	14 "	2.35
No. 11	16 "	15 "	2.70
No. 12	17 "	16 "	3.15
No. 13	18 "	17 "	3.75
No. 14	19 "	18 "	4.50

ROLLING STANDS for Tubs, Pots, etc.				
Ins.	Will fit			
Diam.	Weight	Pot	Tub	Each
12	2 lbs.	10 in.		\$0.95 \$10.80
14	2 $\frac{1}{2}$ lbs.	12 in.	No. 8.	1.25 14.00
18	3 $\frac{1}{2}$ lbs.	16 in.	No. 7-6.	2.10 24.00
22			No. 4...	2.65 30.00

**PAPER FLOWER POTS**

Ins.	Parcel Post	Weight		
Diam.	per doz.	per 100 Doz.	100	1000
2 $\frac{1}{4}$	3 ozs.	2 lbs.	\$0.12	\$4.45
2 $\frac{1}{2}$	3 "	2 "	.15	.60
3 "	5 "	2 "	.18	7.05
3 $\frac{1}{2}$	7 "	3 "	.20	1.00
4	8 "	4 "	.25	1.30
5	15 "	7 "	.30	2.00
6	2 lbs.	11 "	.45	2.70

**AZALEA POTS**

Diam.	Depth	Each	Doz.	100
5 in.	4 $\frac{1}{2}$ in.		\$0.07	\$0.65
6 "	5 "		.09	.98
7 "	6 "		.15	1.62
8 "	7 "		.22	2.34
9 "	7 $\frac{1}{2}$ "		.33	3.60
10 "	8 "		.45	4.86
12 "	10 "		.91	9.90

**FERN DISH LINERS**

Very shallow, for inside of fancy silver or porcelain ferneries.

Width	Depth	Each	Doz.	100
7 in.	1 $\frac{1}{8}$ in.	\$0.22	\$2.16	\$14.40

**SEED PANS (Earthenware)**

	Each	Doz.
6 inches square	\$0.83	\$9.00
8 "	1.11	12.06
10 "	1.38	15.12
12 "	1.65	18.00

**EARTHEN BULB PANS**

	Each	Doz.
6 inches diam	\$0.09	\$0.98
7 "	.15	1.62
8 "	.22	2.34
9 "	.33	3.60
10 "	.45	4.86
12 "	.91	9.90
14 "	1.48	16.20

**WOOD FIBRE FLOWER VASES**

No.	Diam.	Depth	Weight	Each	Doz.
0	8 in.	13 in.	4 lbs.	\$1.65	\$18.60
1	5 $\frac{1}{2}$ "	10 "	2 $\frac{1}{2}$ "	1.40	16.20
2	4 $\frac{1}{2}$ "	9 "	1 $\frac{1}{2}$ "	1.25	14.40
3	4 "	6 "	1 $\frac{1}{2}$ "	1.10	12.60
4	3 "	4 "	4 $\frac{1}{2}$ "	.90	10.20
5	11 "	5 "	18 "	1.95	22.00
6	22 "	4 $\frac{1}{2}$ "	15 "	1.75	20.00
7	33 "	4 "	12 "	1.60	18.00
8	44 "	3 "	9 "	1.25	14.00

**CUT FLOWER VASES**

(Galvanized Iron)

No.	Top Diam.	Depth	Cap.	Each
65	7 $\frac{1}{2}$ in.	8 in.	8 Qt.	\$0.50
66	8 $\frac{3}{4}$ "	10 "	10 "	.65
67	7 $\frac{3}{4}$ "	12 "	12 "	.75
68	8 $\frac{3}{4}$ "	12 $\frac{1}{2}$ "	14 "	.85
69	8 $\frac{3}{4}$ "	18 "	16 "	1.00

**EARTHEN FLOWER POTS**

Height and

Width inside	Each	Doz.	100	1000
1 inch	\$0.02	\$0.17	\$1.22	\$11.48
2 "	.02	.18	1.02	9.56
2 $\frac{1}{4}$ "	.02	.18	1.16	10.84
2 $\frac{1}{2}$ "	.02	.18	1.35	12.75
3 "	.03	.24	1.76	16.58
3 $\frac{1}{2}$ "	.03	.29	2.16	20.40
4 "	.04	.36	2.70	25.50
4 $\frac{1}{2}$ "	.06	.49	3.65	34.43
5 "	.07	.65	4.86	45.90
5 $\frac{1}{2}$ "	.08	.81	6.08	57.38
6 "	.09	.98	7.29	68.85
7 "	.13	1.30	9.72	91.80
8 "	.15	1.62	12.15	...
9 "	.22	2.34	17.55	...
10 "	.33	3.60	27.00	...
11 "	.45	4.86	36.45	...
12 "	.66	7.20	54.00	...
13 "	.91	9.90	74.25	...
14 "	1.48	16.20	121.50	...

**EUREKA POT HANGERS**

20c. each; doz., \$2.00; \$12.50 per 100.

**KRICK POT HANGERS**

Each Doz.

No. 1	\$.07	\$.70
No. 2	.08	.80
No. 3	.09	.90

**WOODEN ORCHID BASKETS (Square)**

Each Doz.

4 inch	\$.50	\$.50
10 "	.75	.75
12 "	1.00	1.00

**ORCHID PANS (Round) (Earthen)**

Each Doz.

4 inches diam	\$.35	\$.35
6 "	.45	.45
8 "	.55	.55
10 "	.75	.80
12 "	1.25	1.20

**EARTHEN FERN PANS**

Each Doz.

4 in.	\$.06	\$.54	\$.405
4 $\frac{3}{4}$ "	.07	.72	.540
5 $\frac{1}{2}$ "	.09	.90	.675
6 $\frac{1}{4}$ "	.10	1.08	.810
7 "	.12	1.26	.945
8 "	.17	1.80	13.50
9 "	.20	2.16	16.20

**EARTHENWARE SAUCERS**

Each Doz.

4 inches	\$.03	\$.27	\$.03
5 "	.04	.36	.270
6 "	.06	.54	.405
7 "	.07	.72	.540
8 "	.10	.99	.743
9 "	.14	1.35	10.13
10 "	.15	1.62	12.15
11 "	.19	1.98	14.85
12 "	.23	2.43	18.23
14 "	.37	4.05	30.38

**WOOD FIBRE SAUCERS**

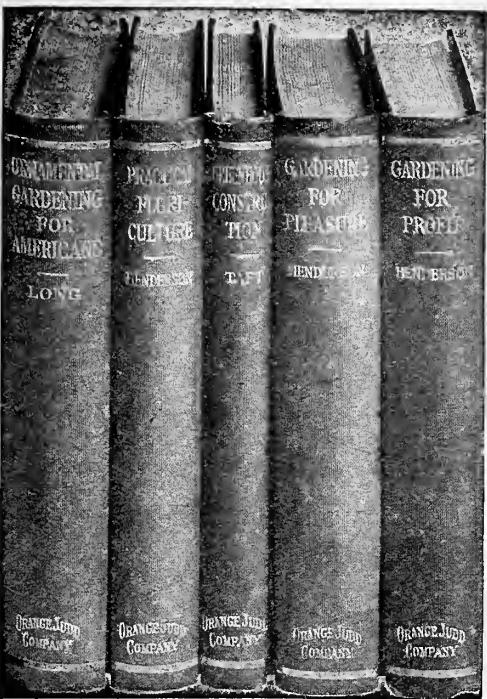
Extremely desirable on account of being absolutely waterproof.

Parcel Post

Weight Each

5 inches	1 $\frac{1}{4}$ lb.	\$.32	\$.60
6 "	1 $\frac{1}{2}$ "	.34	.39
7 "	1 $\frac{1}{2}$ "	.37	.420
8 "	1 $\frac{1}{2}$ "	.39	.450
9 "	3 $\frac{1}{4}$ "	.43	.490
10 "	3 $\frac{1}{4}$ "	.46	.530

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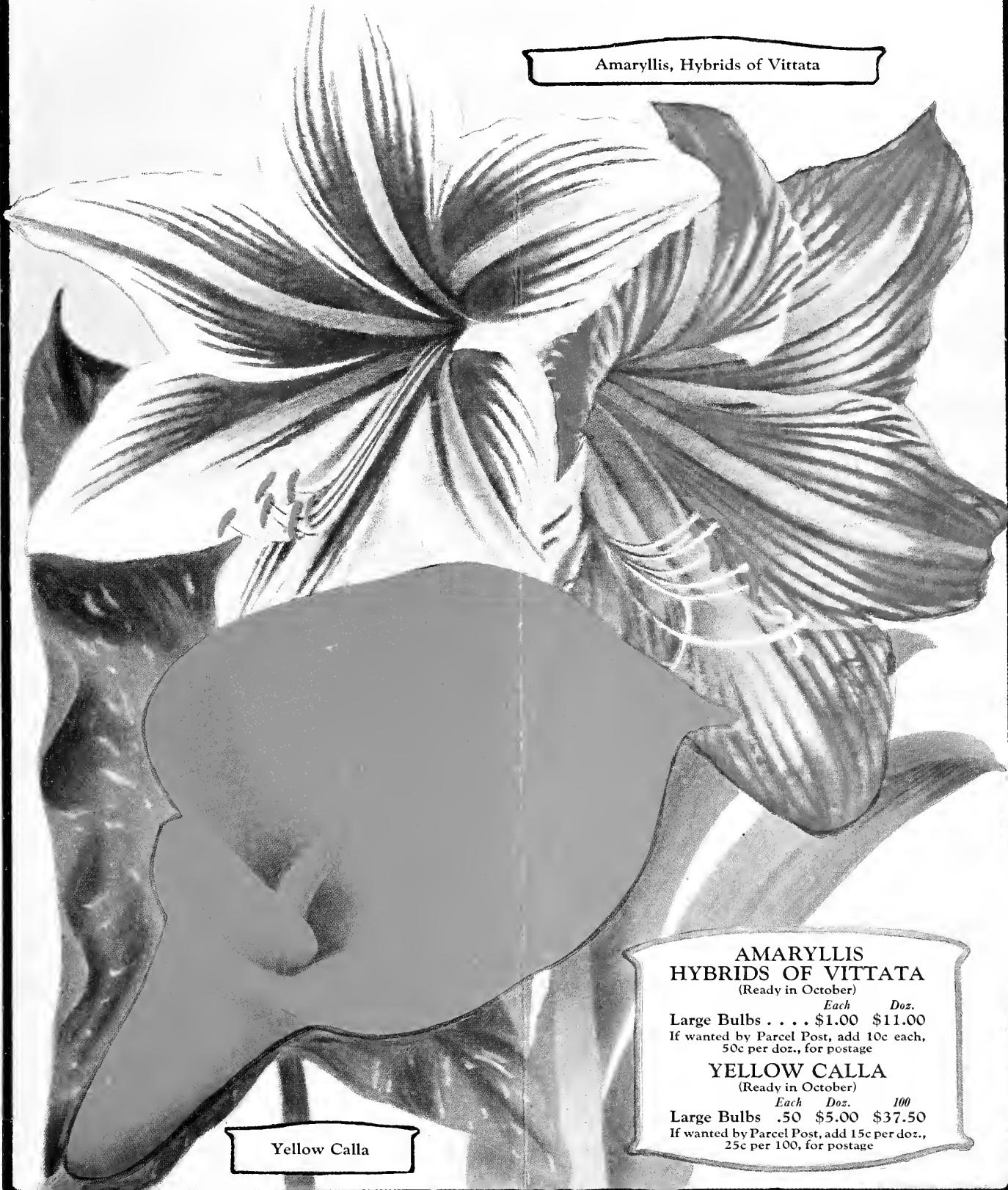
We can furnish any other books (horticultural or agricultural publications) not mentioned here that might be desired (ow)

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Crown Imperial	18	Hop Vine	45			Hog Manure	81	Root Brushes	61
Freseia	18	Horse Chestnut	49			Horn Savings	81	Rollers	60
Gladiolus	18	Hydrangea	36, 46			Hose	69	Rolling Stands	86
Glossyina	19					Hose Bands	69	Root Cutters	67
Grape Hyacinths	20					Hose Connections	69	Rubber Aprons	70
Hyacinths	2, 3					Hose Couplings	69	Rubber Hose	69
Iris	19					Hose Coupling Parts	69	Rubber Sprinklers	70
Ixias	19					Hose Menders	69	Rubbish Baskets	61
Jonquils	9					Hose Nozzles	69	Rubbish Consumers	61
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Lily of the Valley	20	Jasminum	46			Hose Reels	69	Salt	81
Montbrettas	20	Juniper	48			Hose Washers	69	Salt Bricks	83
Narcissus	6 to 9	Judas or Red Bud	46			Hot Bed Mats	72	Sand	22, 72
Oxalis	21	Larch	49			Hot Bed Sash	72	Sash	72
Ranunculus	21	Lathyrus	41, 45			Humus	81	Sauers	86
Rhubarb	55	Liatris	41			Husking Pins	62	Saw Horse	62
Seillas	21	Liliae	47			Hyacinth Glasses	3, 22	Saws	62, 66
Snowdrops	88	Lily of the Valley	41			Hydrant Attachments	69	Sealeide	79
Spirea	22	Linden	49			Hydrometer	78	Scale Destroyer	79
Tulips	10 to 14	Lobelia	41					Scaper	64, 66
Zephyranthes	22	Lonicera	46					Seed Drivers	62
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Aconitum	38	Maples	49					Sceders	66
Agrostemma	38	Mertensia	41					Seed Pans	86
Akebia	45	Mock Orange	46					Shadene	87
Almond, Flowering	46	Monarda	41					Shading Cloth	72
Althaea	46	Mountain Ash	49					Shears	65, 66
Alyssum	38	Mulberry	49					Sheep Manure	79
Amelopeltis	46	Myosotis	36					Shoo Fly	79
Amygastatus	46							Shovels	63
Anemone	38							Slies	62
Apples	51							Slug Shot	79
Atrolegia	38							Snow Shovels	63
Arabis	38							Soap Spray	79
Arborvitae	48	Oak	49					Soil	22, 77
Aristolochia	45	Oenothera	42					Lawn Cleaners	60
Armeria	38	Pachysandra	42					Lawnned Sand	81
Artemisia	38	Paeonies	43					Lawn Sprinklers	70
Asclepias	38	Palms	36					Lawn Mould	22, 77
Ash	49	Pentstemon	42					Leaf Racks	61
Asparagus	36	Pepper Bush	46					Lemon Oil	78
Asters	38, 39	Philadelphus	46					Lime	81
Astilbe	39	Plants	36					Stake Fasteners	73
Baby's Breath	40	Pandanus	36					Limestone	81
Berberis	46, 47	Pansies	36					Staples	71
Beech	49	Peaches	51					Lime Sulphur	78
Bells	36	Pears	51					Liquid Manure Distributor	77
Bigmonia	45	Pentstemon	42					Strainer	76
Birch	49	Carnation	42					Monkey Wrenches	62
Blackberries	50	Food	80					Moss	77
Boeconia	39	Carnation	77					Mouse Traps	61
Boltonia	39	Supports	71					Mulford Culture	59, 80
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Bridal Wreath	46	Staples	71					Phospho Tobacco Soap	79
Buddleia (Butterfly Bush)	46	Carnation	71					Sulphur	79
California Privet	47	Supports	71					Sulphur Blowers	75
Callicarpa	46	Carnation	71					Sulphur Candles	79
Calyanthus	46	Staples	71					Syringes	77
Campionula	39	Carnation	71					Tankage	81
Carnations	39	Supports	71					Thermometers	54, 68
Catalpa	49	Carnation	71					Thermostat	68
Catzea	45	Staples	71					Thompson's Manure	81
Cercis	46	Carnation	71					Thrip Jucee	79
Cherries	51	Supports	71					Tinfol	77
Chionanthus	46	Carnation	71					Tobacco Dust	79
Chrysanthemum	39	Supports	71					Tobacco Soap	79
Clematis	39, 45	Carnation	71					Tobacco Stems	79, 81
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Crab, Flowering	46, 49	Carnation	71					Trusses	91
Coreopsis	39	Supports	71					Tre Guards	91
Coronos	46	Carnation	71					Tree Labels	74
Curranas	50	Supports	71					Tree or Bark Brushes	66
Cyclamen	36	Carnation	71					Tree Paint	77
Cypress, Japanese	48	Supports	71					Tree Scraper	66
Cytisus	46	Carnation	71					Tree Tanglefoot	79
Daisy	36	Supports	71					Trellises	71
Delphinium	47	Carnation	71					Trowels	64
Deutzia	39	Supports	71					Tubs	86
Dianthus	39	Carnation	71					Twine	74
Dicentra	39	Supports	71					Vaporizing Lamps	75
Dilecta	39	Carnation	71					Vases	86
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Elm	49	Supports	71					Water Cans	70
Eryngium	39	Carnation	71					Weeders	64
		Supports	71					Weed Killer	77
		Carnation	71					Wheat Fertilizer	81
		Supports	71					Wheelbarrows	62
		Carnation	71					Windmill	66
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		Carnation	71					Wire and Tin Shears	65
		Supports	71					Wire Baskets	72
		Carnation	71					Wire Netting	71
		Supports	71					Wire Work	71
		Carnation	71					Worm Killer	79
		Supports	71					Wrenches	62
		Carnation	71					Zemantline	77
		Supports	71					Zenoleum	79

# MICHELL'S BULBS

Amaryllis, Hybrids of Vittata

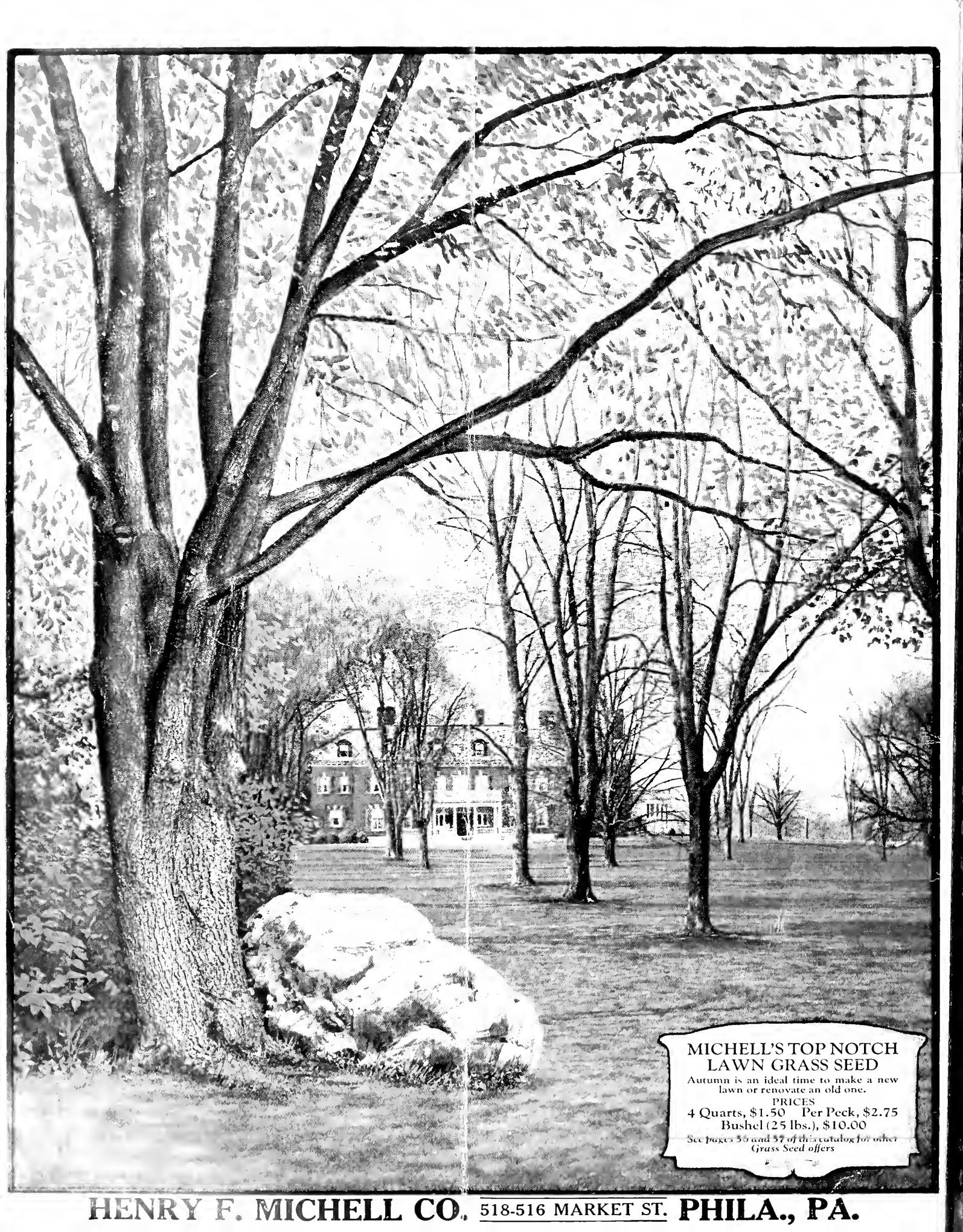


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HYBRIDS OF VITTATA**  
(Ready in October)

Each Doz.  
Large Bulbs . . . \$1.00 \$11.00  
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LAWN GRASS SEED**

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